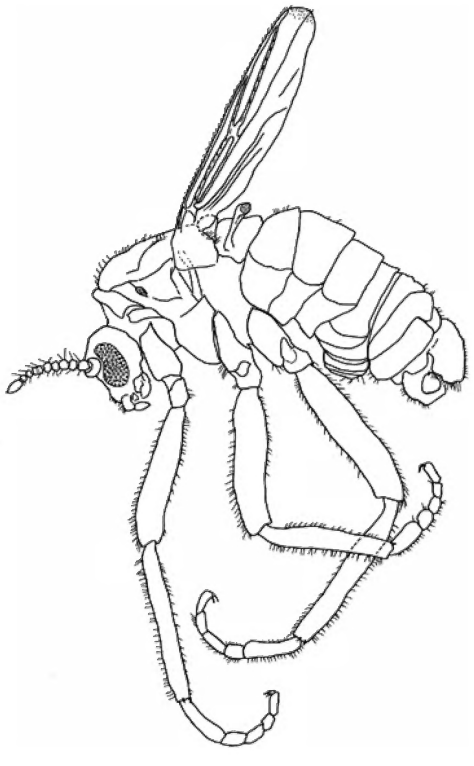
A WORLD CATALOGUE OF CHIRONOMIDAE (DIPTERA)

PART 2. ORTHOCLADIINAE (SECTION A)

compiled

by

Patrick Ashe and James P. O'Connor



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A WORLD CATALOGUE OF CHIRONOMIDAE (DIPTERA)

PART 2. ORTHOCLADIINAE (SECTION A)

compiled

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Cover illustration: adult male of *Metriocnemus* (*Crymaleomyia*) *brunneri* Ashe & O'Connor, originally described on pp 25-34 of Hoffrichter, O. (ed.) (2000) *Late 20th century research on Chironomidae*. Shaker Verlag, Aachen.

This book may be obtained from The Irish Biogeographical Society c/o Dr James P. O'Connor, National Museum of Ireland, Kildare Street, Dublin 2, Ireland. Due to the large size, Part 2 is printed in two sections (A & B). The two sections will each weigh about 1.3 to 1.4 kg and to save on postage costs, each section will be posted separately. The total cost of a copy (includes A & B sections) plus postage and packing can be determined from the table given below.

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PREFACE

The chironomids or non-biting midges are abundant insects occurring in all climatic zones from the tropics to the polar regions. The males often form large mating swarms. They are very adaptable creatures and their habitats range from coastal marine habitats to high altitude snow fields and glaciers (over 5,000 metres). The immature stages of most species occur in freshwater but many terrestrial, marine and brackish water species are known. They are to be found in flowing waters (rivers, streams, brooks, trickles, waterfalls, thin water films on vertical surfaces, glacial meltwater etc.), standing waters (lakes, ponds, pools, temporary water bodies, saline lakes, phytotelmata – rot holes, pitcher plants, bromeliads etc.) and marine habitats (brackish water including estuaries, littoral zone of the sea-shore and coastal areas down to 30 metres). Terrestrial species are associated with soils and other habitats rich in organic matter including leaf litter in woodland, grassland and tillage soils, fungi, rotting wood and cow dung.

A World Catalogue of the Chironomidae (Diptera) is to be published in five parts. The present volumes (Part 2, Sections A and B) deals with the Subfamily Orthocladiinae while Part 1, published in 2009, covered the Subfamilies Buchonomyiinae, Chilenomyiinae, Podonominae, Aphroteniinae, Tanypodinae, Usambaromyiinae, Diamesinae, Prodiamesinae and Telmatogetoninae. Part 3 will involve the Subfamily Chironominae, Part 4 the Fossil Taxa and finally, Part 5 will contain a Supplement, a Summary of Parts 1-4 and a Cumulative Taxonomic Index.

A World Catalogue of Chironomidae (Diptera) Part 2. Orthocladiinae is published in association with The National Museum of Ireland. On behalf of The Irish Biogeographical Society, I wish to thank Dr Pat Wallace (former Director), Mr Raghnall Ó Floinn (Head of Collections) and Mr Nigel Monaghan (Keeper of Natural History) for their interest in and encouragement of this work.

James P. O'Connor
Editor
The Irish Biogeographical Society
28 July 2012

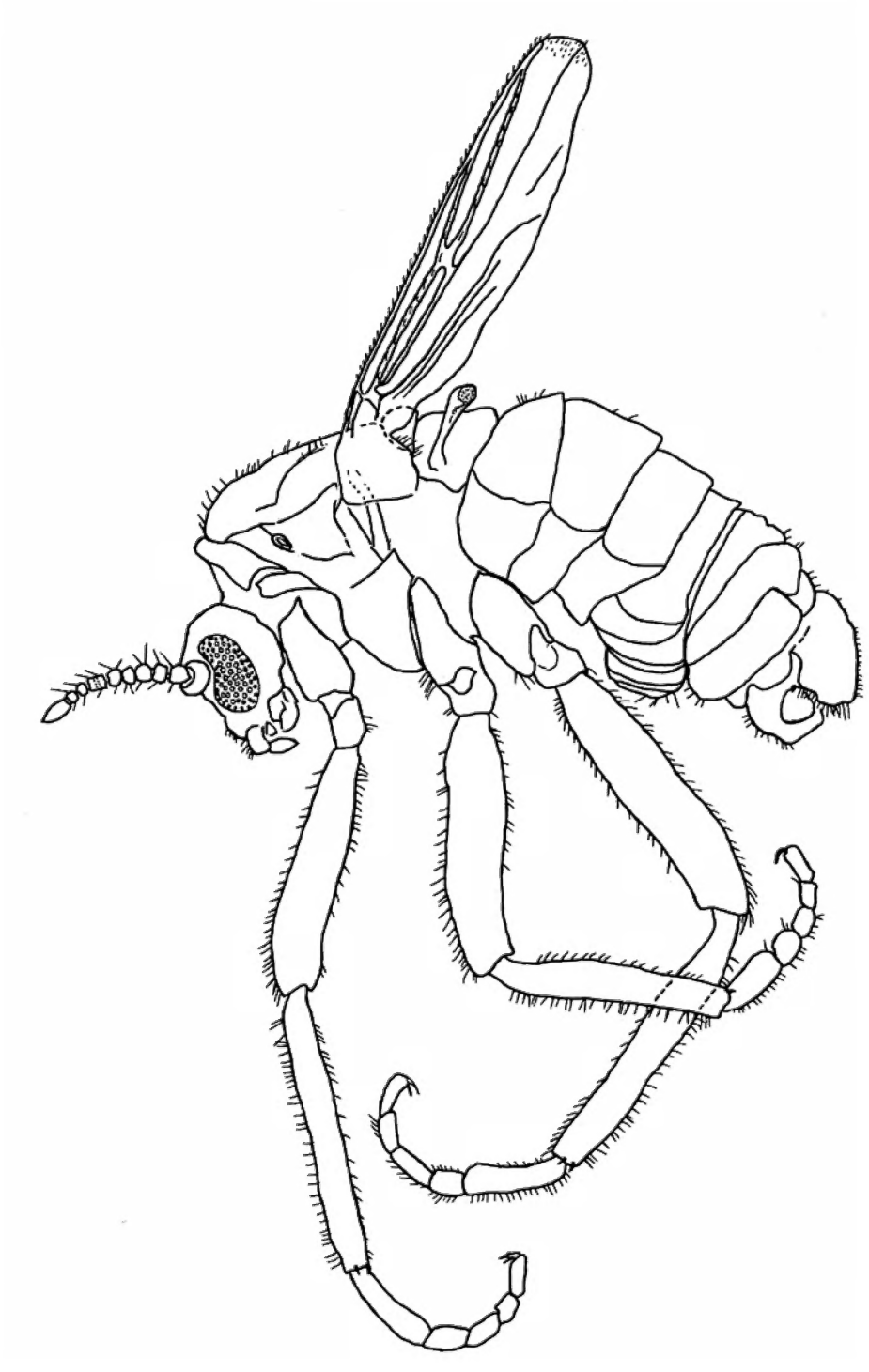

FIGURE 1. Adult male of *Metriocnemus* (*Crymaleomyia*) *brunneri* Ashe & O'Connor, from 5,000 metres in the Karakorum Mountains, Pakistan, described on pp 25-34 of Hoffrichter, O. (ed.) (2000) *Late 20th century research on Chironomidae. An anthology from 13th International Symposium on Chironomidae*. Shaker Verlag, Aachen. 661pp.

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GENERAL INTRODUCTION TO A WORLD CATALOGUE

The Family Chironomidae, commonly called non-biting-midges, is a cosmopolitan group of insects of the Order Diptera which occur in all zoogeographical regions of the world, including Antarctica. They are abundant in both species numbers and in numbers of individuals in all climatic zones from the tropics to the polar regions and from coastal marine habitats (down to 30 metres) to high altitude snow fields and glaciers (over 5,000 metres). The immature stages of most species occur in freshwater but many terrestrial, marine and brackish water species are known. They are to be found in flowing waters (rivers, streams, brooks, trickles, waterfalls, thin water films on vertical surfaces, glacial meltwater etc.), standing waters (lakes, ponds, pools, temporary water bodies, saline lakes, phytotelmata – rot holes, pitcher plants, bromeliads etc.) and marine habitats (brackish water including estuaries, littoral zone of the sea-shore and coastal areas down to 30 metres). Terrestrial species are associated with soils and other habitats rich in organic matter including leaf litter in woodland, grassland and tillage soils, fungi, rotting wood and cow dung (Ashe *et al.*, 1987, Sæther *et al.*, 2000).

A World Catalogue is published in five parts. The five parts are:- **Part 1** (Subfamilies Buchonomyiinae, Chilenomyiinae, Podonominae, Aphroteniinae, Tanypodinae, Usambaromyiinae, Diamesinae, Prodiamesinae and Telmatogetoninae); **Part 2** (Subfamily Orthocladiinae), **Part 3** (Subfamily Chironominae), **Part 4** (Fossil Taxa) and **Part 5** (Supplement, Summary of Parts 1-4 and Cumulative Taxonomic Index). Part 1 - published on the 30 December 2009; Part 2 - published on the 1 October 2012. Part 4 to be published next and likely to take a year to complete. Part 3 expected to take three years to complete. Part 5 expected after Part 3 is published. Each part is separately paginated and it is estimated that the entire publication will be between 2,800 and 3,000 pages. Apart from the catalogue section each part will include the general introduction, a separate introduction to each part, a bibliography and an alphabetical taxonomic index.

COVERAGE

The catalogue includes all detected taxonomic names of Chironomidae (available and unavailable according to the Zoological Code) that have been described since 1758. In addition, some unnamed species, mentioned in the literature are included if they provide useful distribution or range extension information concerning a particular genus. The 1 October 2009 was the cut-off date for inclusion of new data in Part 1. The 30 June 2012 is the cut-off date for inclusion of new data in Part 2 (except for publications dates, pagination, etc. for a few in press references). Each of the remaining parts, because they are being published over several years, will have different cut-off dates. For an update of the more significant changes affecting Part 1 (new taxa, new synonymies, significant errors, etc.) see Ashe and O'Connor (2012). Further updates (to Parts 1 and 2) may be included in Part 4 (the next part to be published).

In order to ensure accuracy of the information presented the chironomid literature, from 1758 to the relevant cut-off date, that is known to include new taxa has been checked. At the present time there is no accurate total of the number of valid species, synonyms or nomina dubia. There are published catalogues for each region but all have different cut-off dates for

inclusion of data, and some taxa recognised as valid in one catalogue were treated differently in another. A number of species names have been detected, including a few by Kieffer, which are missing from several of the published catalogues.

STYLE

The style is similar to that used in the Chironomidae part (Ashe and Cranston, 1990) of the Palaearctic Catalogue.

SUBFAMILIES

Format

The order in which subfamilies are treated follows a modified phylogenetic sequence (see discussion on 'Phylogenetic Arrangement of Subfamilies' in the Introduction to Part 1). The phylogenetic relationships have since been modified (see new Fig. 5 in Introduction to Part 2) and more changes are expected in the future. In the Catalogue, valid subfamily names are printed in bold capitals, followed by the author(s) name(s) in capitals, the year, periodical or book (in italics), volume (in bold where relevant), and page number. This is followed by the type-genus name, author(s) and year. Invalid subfamily names are printed in capital italics and placed in synonymy (where possible) or they are treated as nomina dubia in the Family Chironomidae if synonymy is not possible.

Order of genus-group and species-group names

Within a subfamily, all the genera (and subgenera within a genus) are arranged alphabetically as are the species (and subspecies) within a genus. Genus and species synonyms are arranged by nomenclatural priority (ICZN, 1999) except where priority is overruled (e.g. unavailable or invalid senior synonym etc.). Questionable species synonyms, listed at the end of the synonymy list for a valid species, are preceded by a question mark in bold and the entry terminated with the following words (in bold): **Questionable synonym**.

TRIBES

Tribes are or have been recognised in some subfamilies (i.e. Podonominae, Aphroteniinae, Tanypodinae, Diamesinae, Orthocladiinae and Chironominae). Tribe names are not currently recognised in the Orthocladiinae. Valid tribe names are listed in bold capitals (with synonyms in capital italics) under the relevant subfamily name. The genera (and subgenera) which are currently assigned to each tribe are listed in tables in the introductory section to each part of the Catalogue under the relevant subfamily and not in the main taxonomic part of the Catalogue. However, some valid species and nomina dubia (e.g. in the Tanypodinae) which cannot be assigned to a genus but can be placed in a tribe are arranged alphabetically below a suitable heading in bold, e.g. **Generically Unplaced Valid MACROPELOPIINI** or **Nomina dubia in PROCLADIINI**.

FORMAT FOR GENUS-GROUP NAMES

Uppercase bold (e.g. **TELMATOGETON**) is used to indicate valid genus-group names (genus or subgenus) while uppercase italics (e.g. *HALIRYTUS*) is used for invalid genus-group names (synonyms, nomina dubia, variant spellings etc.).

The genus-group name is followed by the author(s) name(s) in capitals, the year, periodical or book (full title in italics), volume in bold (where applicable) and page number. Extra information is occasionally given in parentheses after the page number.

Multiple descriptions

If a genus-group name was proposed as new (i.e. "new genus" or equivalent) on more than one occasion by the same author(s) each subsequent name is treated as a separate taxon. Such names are arranged by date priority (if validly described) and in synonymy with the relevant information, i.e. name, author(s), year, publication, volume, page, type-species.

Type-species

Type-species information gives the full original binomen or trinomen of the species with the author(s) name(s), date and the kind of designation (see below). If the current valid name of the type-species is different from the name published in the type-fixation, the Catalogue entry gives the valid name between square brackets, as follows. If the name mentioned in the type-fixation is a junior synonym or invalid for another reason, then the valid binomen (or trinomen) with author(s) and date is given in square brackets following an 'equals' sign, e.g. [= *Genus species* Author(s), year]. If uncertainty exists concerning the synonymy of the two species a question mark (in bold) precedes the equals sign, e.g. [**?** = *Genus species* Author(s), year]. If the type-species was taxonomically misidentified in the original publication then the word misidentified precedes the 'equals' sign, e.g. [misidentified = *Genus species* Author(s), year].

Kinds of Designation: In Ashe (1983: 7) eight different kinds of type-species designation for genus-group names were used which included, for example, "original designation"; "original designation and monotypy" and "original designation and virtual monotypy" because they were more informative but these are now all treated as "original designation" in the World Catalogue for the reasons detailed below.

The form of type-species designation is simplified in the most recent edition of the Zoological Code (ICZN, 1999, 4th Edition). The kinds of type-species designations which apply in the Chironomidae are based on:-

Article **68**. For type-species fixed in the original publication there are two kinds of fixation which in order of precedence*, are:- (i) original designation; and (ii) monotypy;

Article **69**. For type-species not fixed in the original publication there are two kinds of fixation:- (i) subsequent designation; and (ii) subsequent monotypy.

* Recommendation **68A** attached to Article **68** states that if a species is qualified for fixation as the type-species in more than one of the ways provided for in this Article then only the valid fixation need be cited, i.e. the one with the highest precedence. This means that the expression "original designation and monotypy" includes two kinds of designation and therefore only "original designation", which has precedence over "monotypy", need be cited.

FORMAT FOR SPECIES-GROUP NAMES

Lowercase bold (e.g. **japonicus**) is used to indicate valid species-group names (species or subspecies) while lowercase italics (e.g. *gedanensis*) is used for invalid species-group names (synonyms, nomina dubia, nomina nuda, variant spellings, misidentifications etc.).

The species-group name is followed by the author(s) name(s) in capitals, the year, periodical or book (full title in italics), volume in bold (where applicable) and page number.

The original genus (or genus plus subgenus, non-binominal combination etc.) to which the species-group name was assigned in the original description is given in parentheses after the page number. Extra information is occasionally given, e.g. after the original genus name as in the following example:- (*Telmatogeton*; as "*St. Pauli*") – indicating that the original spelling was incorrect by nomenclatural standards. Brackets are used around the author and date, e.g. (TOKUNAGA, 1933), if the current combination of genus and species names is different from the original one.

Multiple descriptions

If a species-group name was proposed as new (i.e. "new species" or equivalent) on more than one occasion by the same author(s) such names are treated as separate taxa with separate entries and included in the synonymy.

Misidentified species

Only those species misidentifications listed in other catalogues are included which involve one species known from one region being wrongly recorded and misidentified from another region. For example, the name *Parochlus kiefferi* (Garrett), belonging to a species in the Nearctic and Palaearctic regions has been misapplied to similar southern hemisphere species from the Neotropical and Australasian regions. Such misidentifications are listed under the species affected. For misidentified type-species see "**Type-species**" sub-heading under "**FORMAT FOR GENUS-GROUP NAMES**" above.

Species without scientific names

Some species, mentioned in the literature with provisional names rather than formal scientific ones (mostly as adult males or pupae, rarely as larvae) are included if they provide useful information, distribution or range extension data concerning a particular genus. Locality information is given in quotes. Such species are arranged by date at the end of the normal species entries for a genus or subgenus. The inclusion of such species is not intended to be exhaustive.

For example, *Lasiodiamesa* sp. "Nuolja" was listed in Brundin (1966: 326) and described in the pupal stage from Nuolja in Swedish Lapland but was not formally named because the adult male was unknown. Another example is the record in Brundin (1956: 65) of the genus *Monodiamesa* from high mountain lakes in Peru which is listed in this Catalogue under "indet. sp.:" towards the end of the species entries for *Monodiamesa* because this is the only known record of *Monodiamesa* from Peru.

Some generic records in the literature from various regions, if considered unreliable or misidentified, are ignored. For example, all published records up to the present time of

Eurycnemus Wulp (Subfamily Orthocladiinae) from outside the Palaearctic Region, i.e. from the Neotropical, Nearctic and Australasian Regions are erroneous.

Type-locality

If the name-bearing type is a holotype, the type-locality is given in quotation marks verbatim from the original description when the latter was published in typeface based on Roman letters. Where there are name-bearing syntypes from more than a single locality, all the separate "Type-localities" are quoted and usually separated by semicolons. Type-locality information published in Cyrillic letters is transliterated and placed between asterisks, i.e. **Cyrillic text**, this may include data found in non-Cyrillic lettering in the corresponding work's title, summary or abstract. For information published in a language that cannot be transliterated the type-locality data is translated if possible or it may be based on a European language, title, summary or abstract in the corresponding work.

In many cases the country was not specified in the published type-locality data. If the country was mentioned elsewhere in the original work, the present catalogue gives the country in curly brackets, e.g. {Country}, which precede the quoted type-locality data. If there was supplementary type-locality data given elsewhere in the original work this may also be included within curly brackets. If (a) the country was not clearly and unambiguously specified anywhere in the original work, or (b) the name of the country has changed, or (c) the type-locality is now in a different country; then the country name enclosed in square brackets precedes the quoted type-locality data. If no type-locality was specified the wording "Not given" is used and speculation on a likely type-locality is avoided. Occasionally the type-locality information has been obtained or is given in greater detail from a secondary source - in such cases the information, type-locality in quotes followed by the identified source, i.e. author(s), year, publication, volume and page, is enclosed as in the following example:- ‖►Type-locality: "Hongrie: Budapest, Gyón" in Kieffer, 1919: *Annales Historico-Naturales Musei Nationalis Hungarici* **17**: 151◄‖.

Where neotype or lectotype localities are given this information is enclosed within square brackets identifying the source with the locality (if specified) in quotes, i.e. [author(s), year, publication, volume: page, "locality"] which immediately follows the quoted type-locality data from the original published work. However, all such cases may not have been detected in the literature because such information is often not high-lighted or abstracted and may be hidden within the text.

Distribution

The major zoogeographical region(s) from which a species has been recorded are presented using two-letter codes arranged in the following order of precedence: Antarctic (**AN**); Neotropical (**NT**); Nearctic (**NE**); Palaearctic (**PA**); Afrotropical (**AF**); Oriental (**OR**); Australasian (**AU**) and Oceanian (**OC**).

Distribution information is intended to be as comprehensive as possible. For some larger countries (e.g. Australia, Canada, India, Russia, U.S.A.) the states, regions, provinces are specified in brackets in alphabetical sequence after the country name. For countries which straddle two zoogeographical regions, i.e. Mexico (Nearctic and Neotropical), China

(Palaearctic and Oriental), and Indonesia (Oriental and Australasian), the states, provinces or islands where a species is recorded are given in alphabetical sequence in parentheses after the country name and the two-letter zoogeographical region code. Japan is Palaearctic except for most of the Ryukyu Archipelago (Oriental) and some Pacific islands (Oceanian). Consequently, the name of such a country may appear more than once in the distribution listing, as in the example below of ***Telmatogeton japonicus***, which occurs in both the Palaearctic and Oriental parts of China. The boundaries between the zoogeographical regions are defined in a corresponding text section below.

Distribution data has been obtained initially from information contained in the various regional catalogues:- Antarctica (Cranston and Martin, 1989), Neotropical (Spies and Reiss, 1996), Nearctic (Oliver *et al.*, 1990), Palaearctic (Ashe and Cranston, 1990), Afrotropical (Freeman and Cranston, 1980), Oriental (Sublette and Sublette, 1973), Australasian and Oceanian Regions (Cranston and Martin, 1989). Additional distribution data for Europe was obtained from the Fauna Europaea website (Sæther and Spies, 2011) but most of the new data was obtained from numerous chironomid publications (taxonomic, ecological, country or regional checklists, websites, etc.) which contained relevant information.

Nomina dubia

Species-group, genus-group or family-group names, for which the taxonomic interpretation is uncertain, are listed alphabetically under a heading in boldface identifying the most appropriate taxon (genus, tribe, subfamily, family) to which they can be assigned, e.g. "**Nomina dubia in Procladiini**".

Unavailable names

Species-group, genus-group or family-group names that are unavailable in the sense of nomenclature, i.e. that cannot and must not be used as valid for any taxon under any circumstances, are listed in synonymy where applicable. Otherwise, they are listed alphabetically under a heading in boldface identifying the most appropriate taxon (genus, tribe, subfamily, family) to which the corresponding, not scientifically nameable taxon appears to belong, e.g. "**Unavailable names in ORTHOCLADIINAE**". All nomina nuda* are unavailable because they contravene one or more articles of the Zoological Code. For each nomen nudum the contravened Zoological Code article(s) is/are specified. In all such cases the entry terminates with the words **Nomen nudum** in bold.

***Note**: All nomina nuda are unavailable names but not all unavailable names are nomina nuda.

Incorrect spellings

Incorrect spellings (of species-group, genus-group or family-group names) are given in italics after the taxon entry and listed either as an "incorrect original spelling" or as an "incorrect subsequent spelling".

Gender ending of species-group names

It has not been possible to check that the ending of all species-group names agree in gender with the genus under which they are currently combined. However, in some cases where it has been established that the wrong ending has been used this is corrected and a note explaining the reasons is given.

NOTES

At the end of the main section of the Catalogue's taxonomic part detailed "Notes" discuss taxonomic problems or other issues relating to a particular taxon. These notes are ordered alphabetically irrespective of taxon rank. The term "[**Note**]" at the end of a taxon entry in the main section means that a Note may be consulted under the name of the corresponding taxon.

EXAMPLES

The following examples show Catalogue entries for a valid genus name (**TELMATOGETON**) with one junior synonym (*HALIRYTUS*) and for a valid species name (**japonicus**) with one junior synonym (*gedanensis*), respectively:-

Genus **TELMATOGETON** SCHINER

TELMATOGETON SCHINER, 1867: *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen)* **16**: 931. Type-species: *Telmatogeton sanctipauli* Schiner, 1867 (as "*St. Pauli*"), by original designation. Senior homonym of *Telmatogeton* Schiner, 1868.

HALIRYTUS EATON, 1875: *Entomologist's Monthly Magazine* **12**: 60. Type-species: *Halirytus amphibius* Eaton, 1875, by monotypy. Synonymized with *Telmatogeton* Schiner, 1866, by Sublette & Wirth (1980: *New Zealand Journal of Zoology* **7**: 309).

japonicus TOKUNAGA, 1933: *Philippine Journal of Science* **51**: 95 (*Telmatogeton*). Type-locality: "Japan . . . Karo, Tottori Prefecture". — Distr.: **NE**: Canada (Newfoundland), U.S.A. (Florida, Georgia, Louisiana, New York, North Carolina, Texas); **PA**: Azores, Belgium, China (Shandong), Denmark, Germany, Ireland, Japan, Madeira, Netherlands, Norway, Poland, Sweden; **OR**: China (Zhejiang); **AU**: Australia (New South Wales, South Australia, Victoria, Western Australia); **OC**: Hawaiian Islands.

gedanensis SZADZIEWSKI, 1977: *Polskie Pismo Entomologiczne* **47**: 177 (*Telmatogeton*). Type-locality: {Poland} "Baltic Sea, Gdańsk Bay, shore in Gdynia-Orłowo".

ZOOGEOGRAPHICAL REGIONS

Eight major zoogeographical regions (Figure 2) are recognised (two letter codes in parentheses):- Antarctic (**AN**); Neotropical (**NT**); Nearctic (**NE**); Palaearctic (**PA**); Afrotropical (**AF**); Oriental (**OR**); Australasian (**AU**), Oceanian (**OC**).

Symbols used in species distribution data

? = A **?** (in bold) which precedes the name of a country, state, province etc. indicates an unconfirmed or doubtful record.

$** = A **$ (in bold) precedes the Canadian Province of Northwest Territories, e.g. **$**Northwest Territories, if it has not been possible to determine whether or not a pre 1990 published record or records for the then larger Northwest Territories now applies to the now much smaller Northwest Territories, to Nunavut or to both.

¶ = A **¶** (in bold), which precedes a country name, indicates that the particular country to which the record applies has not been identified because it was once part of a formerly much larger country, e.g. **¶**Yugoslavia. The former Yugoslavia includes Bosnia and Herzegovina, Croatia, Kosovo, Macedonia, Montenegro, Serbia and Slovenia.

= A **#** (in bold) is used if a record for Mexico, e.g. Mexico (#), does not specify the state within which the record was found. In such cases the record is included under the more likely of the two zoogeographical regions. Because Mexico is partly Nearctic and partly Neotropical identifying the individual states is important.

ANTARCTIC (AN)

As defined and mapped in Evenhuis (1989) this includes the continental landmass of Antarctica and the following Subantarctic Islands:- Balleny Islands, Bouvetøya Island, Crozet Islands, Heard Island, New Amsterdam Island, Kerguelen Islands, McDonald Island, Peter I Øy, Prince Edward (or Marion) Island, Saint Paul Island, South Georgia Island, South Orkney Islands and South Shetland Islands.

NEOTROPICAL REGION (NT)

The definition is based on that given in the website of the Biosystematic Database of World Diptera. This includes all countries which comprise the South American continent and the associated islands (including the Falkland Islands, the Galapagos Islands, Juan Fernández Islands, San Ambrosio, and off north-eastern Brazil, St Paul Island and Fernando Noronha),

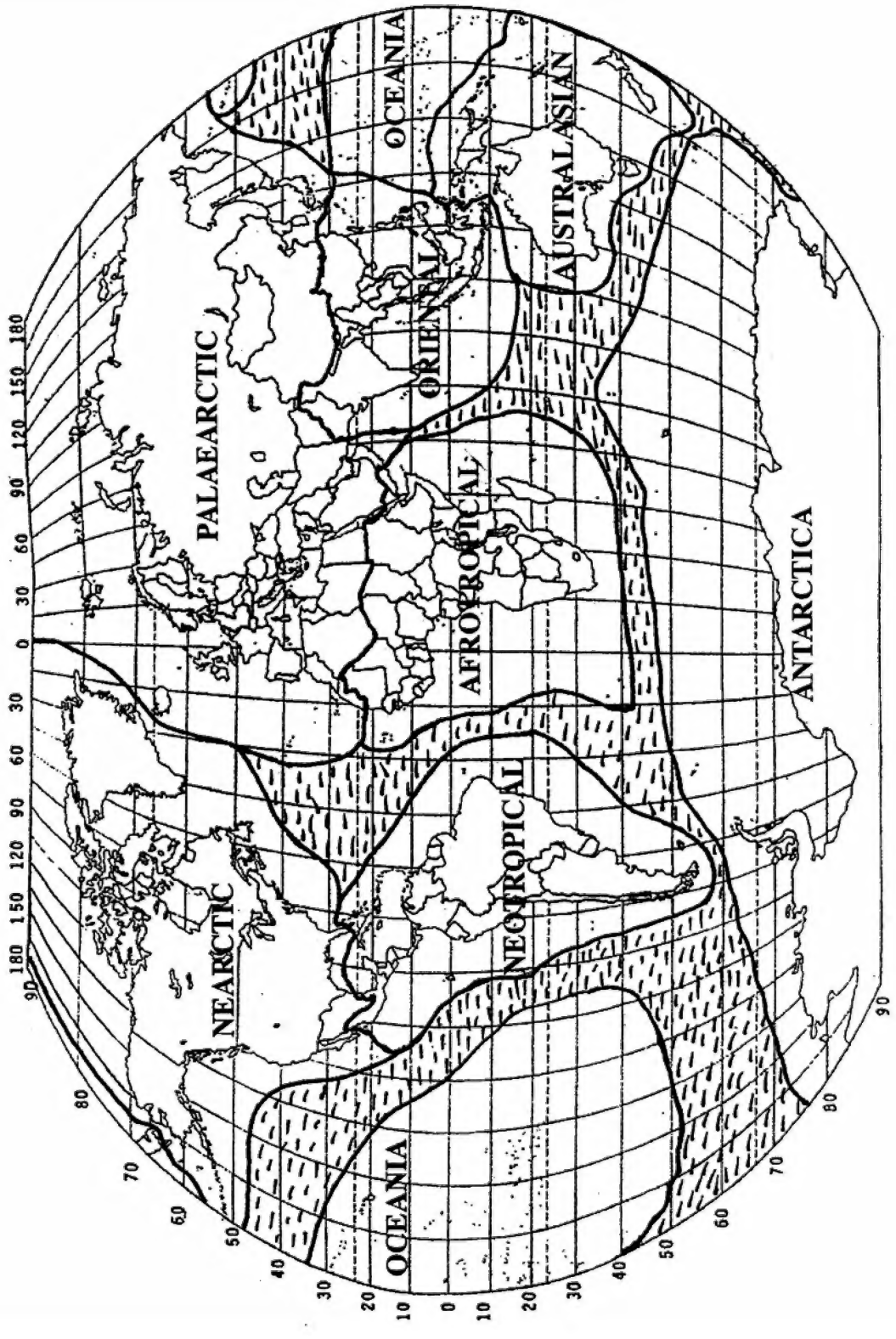

FIGURE 2. The eight recognised zoogeographical regions.

the Bahamas, countries and islands in the Caribbean Sea, the Greater and Lesser Antilles, Central America, and parts of Mexico. The 13 Neotropical Mexican States are:- Campeche, Chiapas, Colima, Guerrero, Jalisco, Michoacán, Nayarit, Oaxaca, Quintana Roo, Sinaloa, Tabasco, Veracruz and Yucatán). Apart from the 13 Mexican States there are two island groups, the Tres Marias Islands and the Revillagigedo Islands, which are Neotropical. If a record for Mexico does not specify the Mexican State (or one of the two island groups) then it is assigned to the most likely of the two regions based on existing distribution or published data in the following manner, e.g: "**NT**: Mexico (#)" or "**NE**: Mexico (#)", the # symbol represents the unidentified state.

NEARCTIC REGION (NE)

The definition is based on that given in the website of the Biosystematic Database of World Diptera. This includes Canada, Greenland, the continental United States of America, Bermuda and parts of Mexico. The 18 Nearctic Mexican States are:- Aguascalientes, Baja California, Baja California Sur, Chihuahua, Coahuila, Durango, Guanajuato, Hidalgo, Mexico State (including Distrito Federal), Morelos, Nuevo León, Puebla, Querétaro, San Luis Potosí, Sonora, Tamaulipas, Tlaxcala and Zacatecas). If a record for Mexico does not specify the Mexican State then it is assigned to the most likely of the two regions based on existing distribution or published data in the following manner, e.g: "**NT**: Mexico (#)" or "**NE**: Mexico (#)", the # symbol represents the unidentified state.

In Canada, the former Northwest Territories have been divided in two regions *viz*. Nunavut and a considerably reduced Northwest Territories. Unfortunately the boundaries between the two regions can best be described as bizarre, despite objections at the time, in relation to the problems that would result in mapping and recording the distribution of animal and plant species. Several western arctic islands are bisected by the 110°W meridian of longitude which forms part of the boundary line from the North Pole south to Victoria Island at which point the line turns due west and follows part of the 70°N line of longitude (but bends at right angles around a lake), continues westward and then takes a zigzag route out through the south-western corner of Victoria Island. This means that many records of animals and plants from these areas are impossible to assign to either Nunavut or the Northwest Territories. This applies particularly to older 19th and early 20th century records that do not include a specific locality or longitude and latitude. A more logical boundary would have been to include all of Victoria Island and the other affected islands in Nunavut.

Nunavut includes all of the eastern part of the formerly larger Northwest Territories and most of the Canadian Arctic islands, all islands or parts of islands east of 110°W (including the eastern half of Victoria Island) and a large portion of the southern part of Victoria Island.

The Northwest Territories includes the western part of the formerly larger Northwest Territories, all islands or parts of islands west of 110°W and all of the north-western and a small portion of the southern part of Victoria Island.

Some records for the Northwest Territories are preceded by a **$** symbol, e.g. **$**Northwest Territories, if it has not been possible to determine whether or not a pre 1990 published record or records for the then larger Northwest Territories now applies to the now reduce Northwest Territories, to Nunavut or to both for the reasons given above.

PALAEARCTIC REGION (PA)

The western Palaearctic Region is defined as in the Palaearctic Catalogue (Ashe and Cranston, 1990). This includes all of western and eastern Europe, North Africa, almost all of the Middle East (except Yemen, which is Afrotropical) and Afghanistan. Since the publication of the Palaearctic Catalogue there have been political changes including the reunification of Germany and the breakups of Czechoslovakia (now the Czech Republic and Slovakia), Yugoslavia (now consisting of Bosnia and Herzegovina, Croatia, Kosovo, Macedonia, Montenegro, Serbia, and Slovenia) and of the European part of the former western U.S.S.R. (now includes Armenia, Azerbaijan, Belarus, Estonia, Georgia, Latvia, Lithuania, Moldova, Russia and Ukraine). The Kaliningrad region, on the Baltic Coast between Poland and Lithuania, although part of Russia, is treated as a separate entity because it has no contiguous land connection with the rest of Russia. The island of Novaya Zemlya, although part of the Northern European Territory (NET), is treated separately in the distribution data.

In the eastern Palaearctic Region the boundaries are mostly the same as in the Palaearctic Catalogue (Ashe and Cranston, 1990), except for modifications in the boundaries between the Palaearctic and Oriental Regions in China and Japan which are detailed below. Political changes have also affected the Asian part of the former U.S.S.R. (now includes Kazakhstan, Kyrgyzstan, Russia, Tajikistan, Turkmenistan and Uzbekistan).

In the Palaearctic Catalogue, the former U.S.S.R. was divided into six zones for the purpose of distribution data. These were North European Territory (NET), Central European Territory (CET), Southern European Territory (SET), West Siberia (WS), East Siberia (ES), and Far East (FE). Adapting this to the current situation, the western boundaries of the Central European Territory and the Southern European territories are changed to exclude those areas which are no longer part of Russia. These six zones, plus the addition of Kaliningrad (KA) and Novaya Zemlya (NZ) as separate entities, are used to summarize the distribution of chironomid species known from Russia (Figure 3).

China

The boundary line between Oriental and Palaearctic China is defined here based on the experience of Chinese colleagues.

There are 33 Provinces (or Administrative Divisions) in the People's Republic of China of which there are 12 in Palaearctic China and 14 in Oriental China while the remaining 7 are partly Palaearctic and partly Oriental (Figure 4).

The 12 wholly Palaearctic Chinese Provinces are:- Beijing, Hebei, Heilongjiang, Inner Mongolia, Jilin, Liaoning, Ningxia, Qinghai, Shandong, Shanxi, Tianjin and Xinjiang Uighur.

The 7 Chinese Provinces which are partially Palaearctic and partially Oriental are:- Anhui, Gansu, Henan, Jiangsu, Shaanxi, Sichuan and Tibet. The boundary line on the illustrated map (Figure 4) clearly shows which parts of these provinces are Palaearctic and which parts are Oriental.

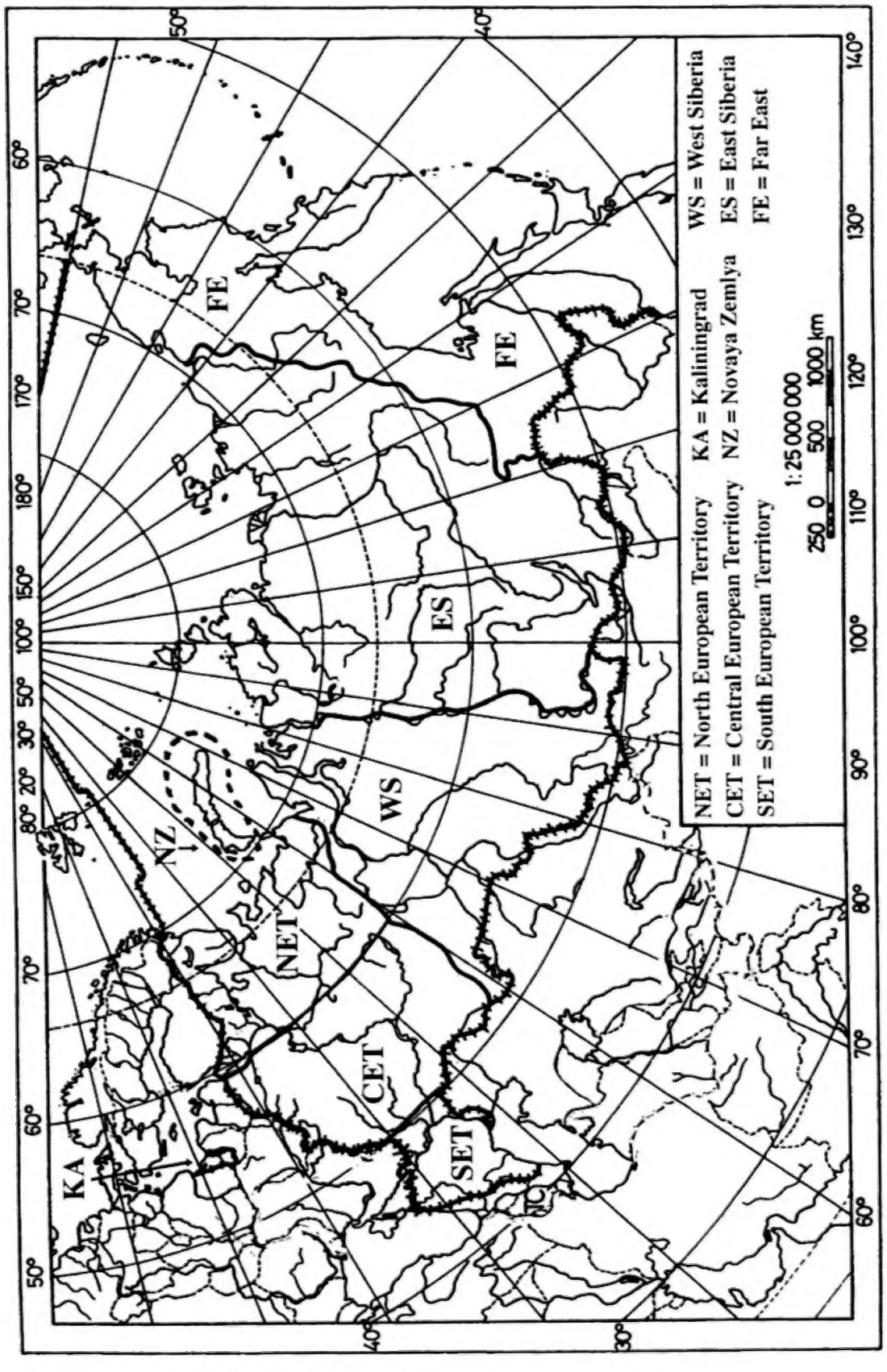

FIGURE 3. Map of Russia modified from the map published in the Catalogue of Palaearctic Diptera.

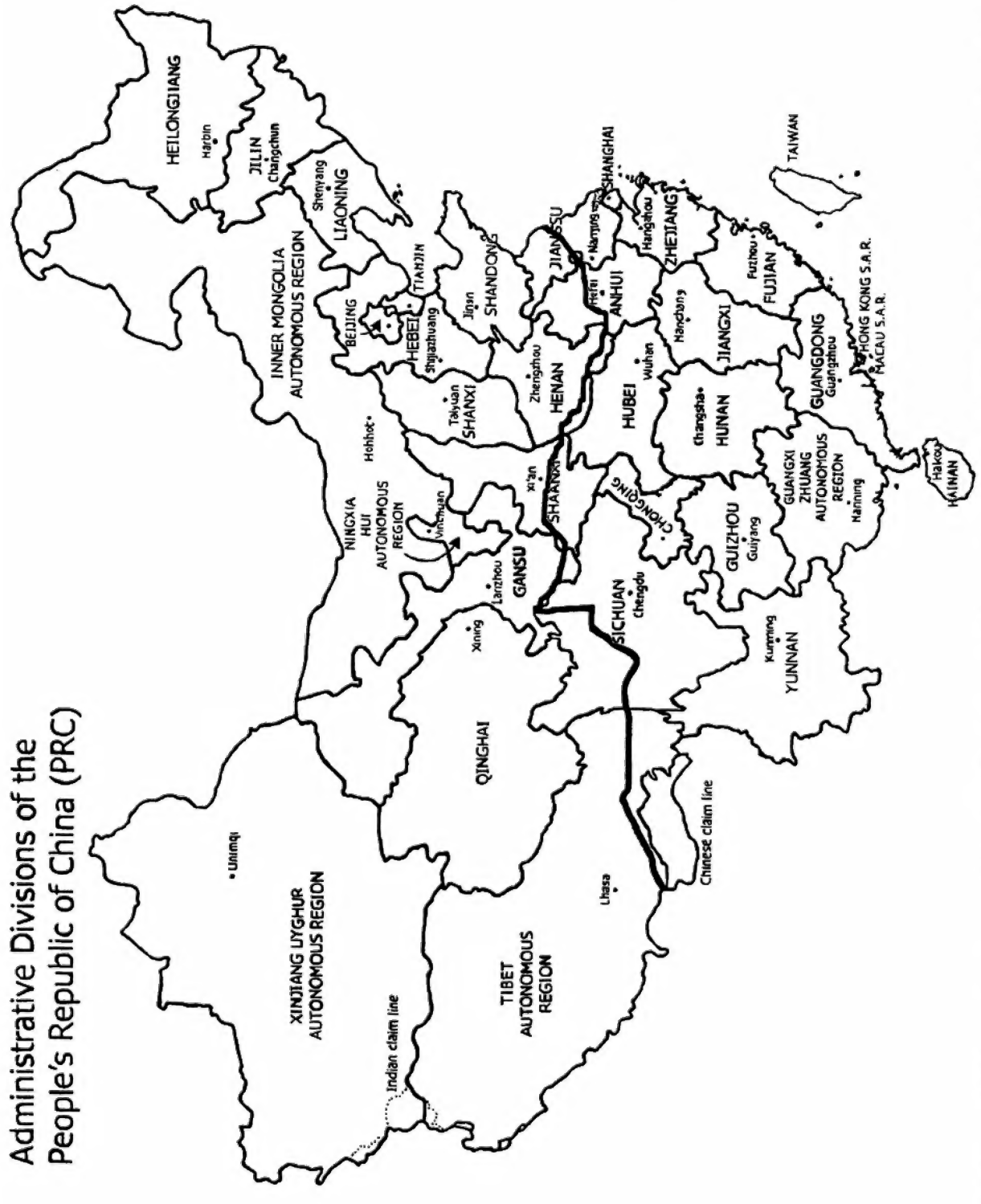

FIGURE 4. Map of Chinese Provinces — boundary line between Palaearctic and Oriental China indicated by a heavy black line.

Japan

Most of Japan (including the large islands of Hokkaido, Honshu, Shikoku and Kyushu) is located in the Palaearctic Region. However, some groups of small islands in the very south are included in the Oriental and Oceanian Regions respectively. In the Palaearctic Catalogue (Ashe and Cranston, 1990), Palaearctic and Oriental Japan were divided along the 30°N parallel line of latitude, the Watase Line, but unfortunately this passes through the middle of the small island of Kuchinoshima. To resolve this problem, the division line between the two regions is shifted to 30°05'N here, i.e. approximately the middle of the channel between the islands of Yakushima (southernmost Palaearctic Japan) and Kuchinoshima (northernmost Oriental Japan).

AFROTROPICAL REGION (AF)

The definition is based on that in the Afrotropical Catalogue (Crosskey, 1980). This includes the northern countries:- Cape Verde Islands, Mauritania, Mali, Niger, Chad, Niger, Sudan and Yemen on the Arabian Peninsula, all countries farther south on the African continent and various associated offshore islands or island groups. The latter include Aldabra, Amirante Islands, Annobón, Ascension Island, Astove Island, Bioko [formerly Fernando Póo], Cargados Carajos Islands, Coẽtivy Island, Comoro Islands, Cosmelodos Islands, Gough Island, Madagascar, Mauritius, Principe, Réunion, Rodriguez, São Tomé, Seychelles, Socotra, St Helena, Tristan da Cunha and Tromelin Island.

The 'Democratic Republic of the Congo' (formerly Zaïre) is cited in full in any relevant type-locality data but in the distribution data is abbreviated to 'D. R. Congo' to distinguish it from the country called the 'Congo'.

ORIENTAL REGION (OR)

The definition is mostly based on that in the Oriental Catalog (Delfinado and Hardy, 1973) except for some changes in the boundary between the Palaearctic and Oriental Regions in China and Japan which are detailed below.

The Oriental Region extends from Pakistan in the west, through all of India, Sri Lanka, Nepal, Bhutan, Bangladesh, South-east Asia (Myanmar, Thailand, Laos, Vietnam, Cambodia, Malaysia, Singapore, the Philippines, the western part of Indonesia (as far east as Weber's Line)), parts of southern China (defined below), Taiwan and the Japanese Ryukyu Archipelago south of 30°05'N latitude (detailed below).

China

The boundary line between Oriental and Palaearctic China is defined here based on the experience of Chinese colleagues.

There are 33 Provinces (or Administrative Divisions) in the Peoples Republic of China of which there are 12 in Palaearctic China and 14 in Oriental China while the remaining 7 are partly Palaearctic and partly Oriental (Figure 4).

The 14 wholly Oriental Chinese Provinces are:- Chongqing, Fujian, Guangdong, Guangxi, Guizhou, Hainan, Hong Kong, Hubei, Hunan, Jiangxi, Macao, Shanghai, Yunnan, and Zhejiang.

The 7 Chinese Provinces which are partially Palaearctic and partially Oriental are:- Anhui, Gansu, Henan, Jiangsu, Shaanxi, Sichuan and Tibet. The boundary line on the illustrated map (Figure 4) clearly shows which parts of these provinces are Palaearctic and which parts are Oriental.

Japan

Most of Japan (including the large islands of Hokkaido, Honshu, Shikoku and Kyushu) is located in the Palaearctic Region. However, some groups of small islands to the south are included in the Oriental and Oceanian Regions. Oriental Japan, as defined here, consists of most of the Ryukyu Archipelago which extends southwards from latitude 30°05'N and the island of Kuchinoshima (northernmost part of Oriental Japan) – more details about the boundary are given above under Japan in the section on the Palaearctic Region.

AUSTRALASIA (AU)

This region is considered to comprise the following regions, as numbered in the map in Evenhuis (1989):- **2** (Australia), **4** (Belau), **8** (Fiji), **12** (Indonesia, east of Weber's Line, including Maluku, Irian Jaya), **15** (Lord Howe Island), **16** (Macquarie Island), **21** (New Caledonia), **22** (New Zealand), **24** (Norfolk Island), **27** (Papua New Guinea), **30** (Solomon Islands) and **34** (Vanuatu).

OCEANIA (OC)

The fact that some islands of Oceania form part of a country outside the region, such as France, Japan or the United States, is ignored in this Catalogue's distribution information, which gives the name of the island or island-group only. Oceania is considered , to comprise the following regions, as numbered in Evenhuis (1989):- **1** (American Samoa), **3** (Baker Island/Howland Island), **5** (Bonin Islands), **6** (Cook Islands), **7** (Easter Island), **9** (French Polynesia), **10** (Guam), **11** (Hawaiian Islands), **13** (Johnston Atoll), **14** (Kiribati), **17** (Marcus Island), **18** (Marshall Islands), **19** (Federated States of Micronesia), **20** (Nauru), **23** (Niue), **25** (Northern Marianas), **26** (Palmyra Atoll), **28** (Pitcairn Island), **29** (Sala y Gomez Island), **31** (Tokelau), **32** (Tonga), **33** (Tuvalu), **35** (Volcano Islands), **36** (Wake Island), **37** (Wallis and Futuna) and **38** (Western Samoa).

BIBLIOGRAPHY

The Bibliography includes all relevant literature cited in *A World Catalogue of Chironomidae* which includes the introductory sections and the catalogue itself. An attempt has been made to try and date as many of the references cited in the Bibliography as possible. This dating information is given is square brackets immediately after the year of publication of the reference but if undetermined, the wording "Publication Date Unchecked" is given. Some symbols, used in connection with the dates of publication, are as follows:-

No symbol = The actual day/month/year, e.g. **[19 March 1975]**, is given if specified in the original publication and not disproven by external evidence. When a specified date of publication is known to be incorrect an explanation is given with the reference. For some references specific dates of publication were not given but in several cases these

have been determined by contacting the editor – an explanation is given with the reference in such cases.

Asterisk Symbol: The library receiving date stamp, e.g. **[*18 November 1922]**, for a publication or the relevant part of a publication (e.g. issue of a journal or periodical) is taken as the earliest demonstrated date in the absence of more direct evidence. The number of asterisks identifies the relevant library as indicated below:-

* = Receipt date in the Natural History Museum Library, London.

** = Receipt date in the Smithsonian Institution Library, Washington, D. C. [data from Evenhuis (1989)].

*** = Receipt date in the Bishop Museum Library, Honolulu [data from Evenhuis (1989)].

**** = Receipt date in the British Library, London.

+ = The last day of the year, e.g. **[+31 December 1900]**, or the last day of the month, e.g. **[+30 June 1962]**, is taken as the date of publication if a more precise date other than the year, or the month and year, cannot, (a) be determined from the original work, or (b) be taken from other sources.

≤ = The "less than or equals sign" is used to indicate that there is evidence that a particular reference was published "on or before a specified date", e.g. **[≤21 September 1800]**. The example is from Evenhuis (1997: 530) who indicates that Meigen (1800) was published prior to the 22 September 1800. Therefore the earliest provable date at present is on or before, as the symbol "≤" implies, the 21 September 1800.

ABSTRACT

Part 2 of *A World Catalogue of Chironomidae (Diptera)* contains detailed data on all described taxa that have been found in the literature from 1758 to the 30 June 2012. The subfamily Orthocladiinae, one of the largest subfamilies in both genera and species, is treated in Part 2. In Part 1 (Ashe & O'Connor, 2009), published on the 31 December 2009, the first nine subfamilies were covered. With the completion of the Orthocladiinae a total of 10 subfamilies have now been treated, in the following sequence:- Buchonomyiinae, Chilenomyiinae, Podonominae, Aphroteniinae, Tanypodinae, Usambaromyiinae, Diamesinae, Prodiamesinae, Telmatogetoninae and Orthocladiinae. Three further parts are planned:- Part 3 (Subfamily Chironominae), Part 4 (Fossil Taxa) and Part 5 (Supplement, Summary of Data in Parts 1 to 4, Cumulative Taxonomic Index).

In Part 2 of the Catalogue there are a total of 174 valid genera, 36 subgenera, 2,275 valid species and 19 subspecies as well as 1,583 names (113 genus-group + 1,470 species-group) which are either synonyms, nomina dubia or unavailable. For all included taxa the original published data has been rechecked. For each species-group name the original type-locality data (if specified) is cited verbatim in quotes. For each valid species (or sub-species) detailed distribution data is given and the zoogeographical region(s) where it is found is/are identified. Included are summary tables which show the known distribution by zoogeographical region for all valid genus-group and species-group names. Figures for the number of genera and species known in each subfamily and for each zoogeographical region are tabulated.

New names are proposed for three species names in the subfamily Orthocladiinae which are preoccupied. The new substitute names are: *Cricotopus* (*Isocladius*) *hoffrichteri* **nom. nov.** proposed for *Cricotopus* (*Isocladius*) *albipes* Chaudhuri & Ghosh, 1980 (preoccupied by *Isocladius albipes* Kieffer, 1909); *Paratrichocladius spiesi* **nom. nov.** proposed for *Orthocladius nigritus* Goetghebuer, 1938 (preoccupied by *Orthocladius* (*Orthocladius*) *nigritus* Malloch, 1915), and *Smittia seppfittkaui* **nom. nov.** proposed for *Smittia rostrata* Wang & Wang, 1996 (preoccupied by *Smittia rostrata* Goetghebuer, 1962).

The genus *Andamanus* Maheshwari & Maheshwari (2002) and its type-species *A. manii* Maheshwari & Maheshwari, described based on the adult female only, were originally assigned to the subfamily Orthocladiinae. Both are removed from that subfamily and transferred to the subfamily Chironominae with the generic name becoming a junior synonym of *Paralauterborniella* Lenz, 1941 (*Andamanus* Maheshwari & Maheshwari, 2002, **syn. nov.**) and the species combination changed to *Paralauterborniella manii* (Maheshwari & Maheshwari, 2002), **comb. nov.**

The following new generic synonym is given: *Thienemanniella* Kieffer, 1911 (*Kribiocladius* Kieffer, 1923, **syn. nov.**). New species synonyms are: *Cricotopus* (*Cricotopus*) *trifasciatus* (Meigen, 1810) (*Cricotopus truncatus* Kieffer, 1913, **syn. nov.**); *Halocladius* (*Halocladius*) *millenarius* (Santos-Abreu, 1918) (*Orthocladius* (*Paratrichocladius*) *furtivus* Santos-Abreu, 1918, **syn. nov.**, *Orthocladius* (*Paratrichocladius*) *pallidicollis* Santos-Abreu, 1918, **syn. nov.**, *Orthocladius* (*Paratrichocladius*) *flaviventris* Santos-Abreu, 1918, **syn. nov.**, *Orthocladius* (*Paratrichocladius*) *exilis* Santos-Abreu, 1918, **syn. nov.**, *Orthocladius* (*Paratrichocladius*) *litorosus* Santos-Abreu, 1918, **syn. nov.**, *Trichocladius seurati* Goetghebuer, 1926, **syn. nov.**); *Parametriocnemus stylatus* (Spärck, 1923)

(*Parametriocnemus adzharicus* Kownacki & Zosidze, 1973, **syn. nov.**); *Synorthocladius semivirens* (Kieffer, 1909) (*Dactylocladius miricornis* Kieffer, 1911, **syn. nov.**).

New generic placements are:- *Allocladius nanseni* (Kieffer, 1926) **comb. nov.** (for *Psectrocladius nanseni* Kieffer, 1926 which was previously included in *Pseudosmittia* Edwards); *Austrocladius barilochensis* (Edwards, 1931) **comb. nov.**; *Gymnometriocnemus* (*Gymnometriocnemus*) *ancudensis* (Edwards, 1931) **comb. nov.**; *Gymnometriocnemus* (*Gymnometriocnemus*) *longicostalis* (Edwards, 1931) **comb. nov**.

A comprehensive bibliography, with dates of publication (in almost all cases), of all the relevant literature is given. The previously accepted year for several genera and species is affected by establishing the date of publication.

NEW NAMES FOR PREOCCUPIED SPECIES NAMES

***Cricotopus* (*Isocladius*) *hoffrichteri* nom. nov.**

Kieffer (1909: *Bulletin de la Société d'Histoire Naturelle de Metz* **26**: 44) described a new genus and species from Germany which he named *Isocladius* and *I. albipes* (the type-species), respectively. The species name has been treated as a junior synonym of *Cricotopus* (*Isocladius*) *sylvestris* (Fabricius, 1794). Chaudhuri & Ghosh (1980: *Aquatic Insects* **2**(3): 148) described a species from West Bengal (India) which they named *Cricotopus albipes*; this name has been used as valid for a species in *Cricotopus* (*Isocladius*). Since *I. albipes* Kieffer and *C. albipes* Chaudhuri & Ghosh are both carried in *Cricotopus* (*Isocladius*), the latter species name is a junior secondary homonym of the former, and must be replaced. Therefore, we propose *Cricotopus* (*Isocladius*) *hoffrichteri* **nom. nov.** as a new substitute name.

Etymology: named after Dr Odwin Hoffrichter (Freiburg, Germany), in appreciation of the many years of work he has undertaken in compiling a comprehensive bibliography of chironomid literature.

***Paratrichocladius spiesi* nom. nov.**

Orthocladius (*Orthocladius*) *nigritus* was described by Malloch (1915: *Bulletin of the Illinois State Laboratory of Natural History* **10**: 525) from Maryland (U.S.A.). This species name has been treated as valid, in the original trinominal combination, in the Nearctic literature. Goetghebuer (1938: *Bulletin et Annales de la Société Entomologique de Belgique* **78**(11): 459) described a different species from Austria under the same name, *Orthocladius nigritus*, which has been treated as valid in the Palaearctic literature. Although Langton & Visser (2003) have transferred Goetghebuer's species to *Paratrichocladius*, the name *Orthocladius nigritus* Goetghebuer is permanently invalid as a junior primary homonym, and must be replaced. Therefore, we propose *Paratrichocladius spiesi* **nom. nov.** as a new substitute name.

Etymology: named after Martin Spies (Munich, Germany), in appreciation of the enormous amount of assistance he has provided (supplying literature and various data, advising on nomenclature, etc.) towards the production of "*A World Catalogue of Chironomidae (Diptera)*".

***Smittia seppfittkaui* nom. nov.**

Wang & Wang (1996: *Zoological Research* **17**(2): 122) described a species *Smittia rostrata* from Liaoning Province in Palaearctic China; this name has been used as valid. However, the name *Smittia rostrata* was made available first by Goetghebuer (in Schmölzer, 1962: *Mitteilungen aus dem Zoologischen Museum in Berlin* **38**(2): 214), and has been used as valid too, for a different species from Austria. Consequently, *Smittia rostrata* Wang & Wang is permanently invalid as a junior primary homonym, and must be replaced. Therefore, we propose *Smittia seppfittkaui* **nom. nov.** as a new substitute name.

Etymology: named after the late Prof. Dr Ernst Josef ("Sepp") Fittkau (1927-2012), who has played a pivotal role in modern chironomid research through his publications, organisational skills, and warm-hearted nature which helped bring together a chironomid community of people from all corners of the globe.

INTRODUCTION TO PART 2

Part 2 of *A World Catalogue of Chironomidae (Diptera)* includes all detected extant taxa, described between 1758 and the 30 June 2012, belonging to the subfamily Orthocladiinae. In the subfamily Orthocladiinae, the ratio of the number of valid genera to species is as follows:- **Orthocladiinae** (**174:2275**). There are **174** valid genera, **36** subgenera and **2,275** valid species plus **19** subspecies in Part 2. In addition, there are a further **113** genus-group names and **1,470** species-group names which are either synonyms, nomina dubia or unavailable. The total number of taxa (genus-group + species-group names) in Part 2 is **4,087**. In the Orthocladiinae, apart from the valid subfamily name, there are several additional family-group names all of which are currently regarded as synonyms. Various tribe names, particularly the "Orthocladiini" and the "Metriocnemini", have been recognised in the past within the Orthocladiinae but have not generally been used recently but preliminary molecular data in Cranston *et al*. (2012) indicate that four (or more) tribes are likely to be created. Records of unnamed or undescribed species, included to provide additional distribution data, are excluded from the numbers of known species.

SUMMARY OF DATA IN PARTS 1 AND 2

The combined summary data from Parts 1 and 2 for the ten subfamilies so far treated (with the ratio of the number of valid genera to species in parentheses), is as follows:- **Buchonomyiinae** (**1:3**), **Chilenomyiinae** (**1:1**), **Podonominae** (**15:158**), **Aphroteniinae** (**3:8**), **Tanypodinae** (**57:575**), **Usambaromyiinae** (**1:1**), **Diamesinae** (**22:216**), **Prodiamesinae** (**4:23**), **Telmatogetoninae** (**2:39**) and **Orthocladiinae** (**174:2275**). In the two combined parts, there are **280** valid genera, **51** subgenera and **3,299** valid species plus **21** subspecies (**2** in the Podonominae and **19** in the Orthocladiinae). In addition, there are a further **56** (Part 1) **+ 113** (Part 2) genus-group names and **636** (Part 1) **+ 1,470** (Part 2) species-group names which are either synonyms, nomina dubia or unavailable. An update of the more significant changes affecting Part 1 of '*A World Catalogue of Chironomidae (Diptera)*' is included in Ashe & O'Connor (2012).

PHYLOGENETIC ARRANGEMENT OF SUBFAMILIES

A new morphology-based phylogeny of chironomid subfamilies was published in Ashe and O'Connor (2009, Fig. 5) which indicated two clusters of subfamilies:- the Tanypodoinae (lacking a premandible) and the Chironomoinae (with a premandible). In addition, the Telmatogetoninae was formally returned to the Chironomoinae and the Buchonomyiinae was treated as the most basal subfamily of the Tanypodoinae. The morphology-based phylogeny in Ashe and O'Connor (2009) was followed a year later by a molecular-based phylogeny in Cranston *et al*. (2010, Fig. 3) which included divergence times and some significant changes to the phylogeny primarily amongst the more plesiomorphic subfamilies (but excluding the Chilenomyiinae and Usambaromyiinae due to a lack of fresh material for molecular analysis). Cranston *et al*. (2010) also demonstrated that the presence of the larval ligula and paraligula is synapomorphic for the Podonominae and Tanypodinae, and the former is confirmed as sister to the latter with the two subfamilies diverging from one another in the Late Triassic.

The phylogeny in Cranston *et al*. (2010):- (a) confirmed the current composition of the Semifamily Chironomoinae but placed the Telmatogetoninae as the most basal of the four constituent subfamilies; (b) confirmed the existence of the Semifamily Tanypodoinae but reduced its composition to include only the Podonominae and Tanypodinae; (c) demonstrated that Buchonomyiinae followed by the Aphroteniinae are sister-groups to all the remaining subfamilies with Buchonomyiinae confirmed as the oldest and most basal extant subfamily. Their phylogeny did not include and was not able to resolve the placement of the Chilenomyiinae and the Usambaromyiinae because new material for molecular dating and placement was not available.

For the Chilenomyiinae and the Usambaromyiinae, the only information available at present to determine their placement is the morphology of the adults (both male and female). In both subfamilies, the undivided female Gonapophysis VIII preclude placement of either in the Semifamily Chironomoinae. In the Chilenomyiinae, most of the diagnostic features do not help in determining its exact relationships with any non-Chironomoinae subfamilies. However, the shared presence of "tergite IX fused with laterosternite IX (and sternite IX) forming a gonotergite" (Sæther 2000: 397, character 74(1)) in the subfamilies Podonominae, Tanypodinae and Usambaromyiinae indicates a relationship between these three. By contrast, the Chilenomyiinae does not display this feature and we therefore tentatively treat the latter as the most basal subfamily of the Semifamily Tanypodoinae. However, the presence in the Chilenomyiinae and Buchonomyiinae of very atypical male hypopygia (although not similar), compared to other subfamilies, may indicate that both are highly pleisomorphic. Based on the Chilenomyiinae, Brundin (1983: 39) states "it seems justified to conclude that the ancestral species of Chironomidae was provided with well developed non-clasper gonocoxites on segment IX of the male abdomen" and other pleisomorphies of the male and female genitalia (Brundin, *op. cit*., 40, 42) are also relevant. Although these pleisomorphies on the own cannot be used to confirm a phylogenetic placement they do provide a very tentative indication that Chilenomyiinae may occupy a more basal position in the phylogeny near the Buchonomyiinae – possibly between the Buchonomyiinae and Aphroteniinae. If such a placement proved to be correct we would expect to discover evidence of a zoogeographically more widespread distribution for the Chilenomyiinae (either from extant or fossil species).

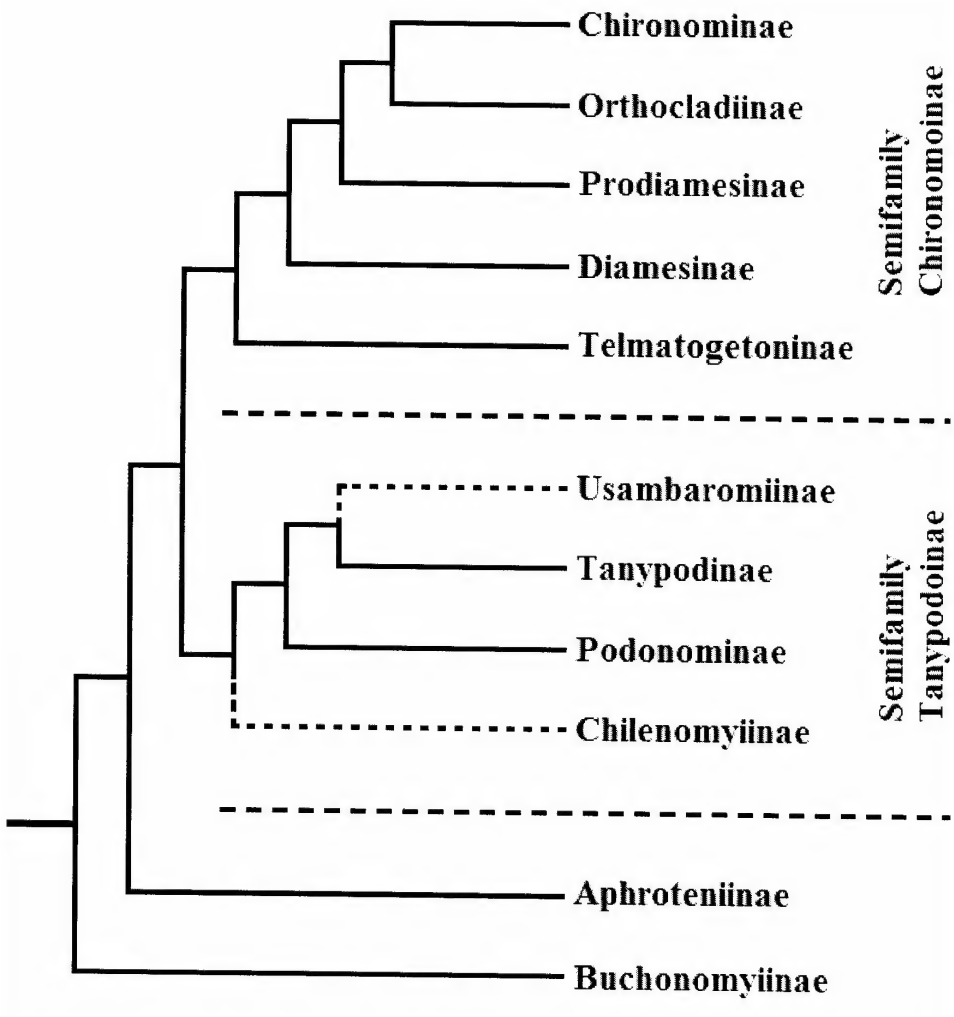

FIGURE 5. Phylogenetic relationships between the eleven extant chironomid subfamilies based partly on Ashe and O'Connor (2009), data in Cranston *et al.* (2010, 2012) and tentative placement (see text) of Chilenomyiinae and Usambaromyiinae (indicated by dashed lines).

In the Usambaromyiinae, most of the puzzling combination of diagnostic characters detailed in Andersen and Sæther (1994) are apomorphies. However, Andersen and Sæther (*op. cit.*) state that two characters, "the toothed tibial spurs" and "the weak hind tibial comb", are essentially identical to that found in the subfamily Tanypodinae. Therefore, based on these two characters, we tentatively regard Usambaromyiinae as the apomorphic sister group to the Tanypodinae. However, the presence of Tanypodinae-like tibial combs in some fossil Podonominae (e.g. *Libanochlites* Brundin - Cranston *et al.* (2012)) indicates that the Usambaromyiinae could be the sister-group to the Podonominae + Tanypodinae combined and that the three subfamilies are closely related. The latest phylogeny presented here (Fig. 5), with all extant subfamilies, includes the Chilenomyiinae and the Usambaromyiinae but the placement of both, based on morphology alone, is uncertain and they are indicated by dashed

lines. Molecular dating will eventually determine whether or not the placements of these two subfamilies are correct.

Additional molecular-based data given in Cranston *et al*. (2012) indicate that one new subfamily needs to be created in the Semifamily Tanypodoinae. Further investigation of some genera within the larger subfamilies may result in the necessity to create additional subfamilies or tribes. Some currently valid tribes, which appear to be well imbedded within an existing tribe, may have to be synonymized.

Cranston *et al*. (2012: 185) in their conclusions state that "Support for existing morphology-based phylogenies, and the ability to explain anomalies (by reciprocal illumination), suggests that a 'total evidence' unification of molecular and morphological data will not enhance our understanding of either source of data". Some significant anomalies or conflicts do exist between the molecular and morphological data and further investigation may produce a resolution to some of these.

A major conflict (but not the only one) concerns the presence of the premandible which we argued is plesiomorphic and would be present in the ancestral chironomid (Ashe and O'Connor, 2009: 20-21). However, in the earliest lineages of extant chironomid subfamilies (Fig. 5) (Buchonomyiinae, Aphroteniinae, Podonominae and Tanypodinae, and presumably also in the unknown larvae of Chilenomyiinae and Usambaromyiinae), the premandible is absent (i.e. apomorphic) but curiously is present (i.e. plesiomorphic) in all the most recently evolved subfamilies of the Semifamily Chironomoinae (Telmatogetonimae to Chironominae).

To resolve the conflict with the premandible and to clarify the situation in the Chironomidae, it is necessary to determine the presence or absence of the premandible in related families and in the various families which comprise the Lower Diptera. Experts differ over the number of accepted families of Lower Diptera and the infraorder placement of some families is still unresolved due to conflicting evidence. The Mycetophilidae and Tipulidae are recognised by some authors to include several additional families but we follow the same arrangement of 26 families given in Oosterbroek and Courtney (1995).

In Yeates *et al*. (2007: Fig. 1), six infraorders of Lower Diptera are recognised:- the Ptychopteromorpha, Culicomorpha, Blephariceromorpha, Bibionomorpha, Psychodomorpha and Tipulomorpha with the first four being monophyletic but the latter two paraphyletic. Yeates *et al*. (2007: 569) state that "The Culicomorpha and Ptychopteromorpha form a monophyletic group that is the sister lineage to all other Diptera, . . .". Recently, Borkent (2012) has resolved the phylogenetic relationships within the Culicomorpha and demonstrated that it includes three superfamilies:- the Chironomoidea (Chironomidae only), Simulioidea (Ceratopogonidae, Simuliidae and Thaumaleidae) and Culicoidea (Dixidae, Corethrellidae, Chaoboridae and Culicidae) and of these the Chironomoidea is the sister group of the Simulioidea + Culicoidea. Oosterbroek and Courtney (1995: Appendix 2) list 26 families of the "Nematocera" (now the Lower Diptera or 'nematocerous Diptera') in which a larval premandible is present, absent or uncertain. Since the Lower Diptera is paraphyletic, we also include the Brachycera – all of which apparently lack a premandible (individual families are not listed). These six infraorders and the same 26 families (except that Canthyoscelidae replaces Synneuridae as the valid name) plus the Brachycera are listed in Table 1 and the presence or absence of the premandible is indicated. Most families in the Culicomorpha +

LOWER DIPTERA Infraorder	Family	Status	Exceptions
Ptychopteromorpha	Ptychopteridae	#	
	Tanyderidae	#	
Culicomorpha	Chironomidae	# / —	
	Ceratopogonidae	#	
	Thaumaleidae	#	
	Simuliidae	#	
	Dixidae	#	
	Corethrellidae	—	
	Chaoboridae	—	
	Culicidae	#	
Blephariceromorpha	Blephariceridae	—	
	Deuterophlebiidae	—	
	Nymphomyiidae	—	
Bibionomorpha	Axymyiidae	—	
	Bibionidae	—	
	Cecidomyiidae	(#)	
	Mycetophilidae	(#)	
	Pachyneuridae	—	
	Sciaridae	(#)	
Psychodomorpha	Anisopodidae	#	**Absent in** *Olbiogaster*
	Canthyoscelidae	—	
	Perissommatidae	#	
	Psychodidae	#	**Absent in** *Trichomyia*
	Scatopsidae	#	
	Trichoceridae	#	
Tipuliomorpha	Tipulidae	—	
BRACHYCERA	All Families	—	

TABLE 1. Premandible in Lower Diptera (Infraorder and Family) and Brachycera. # = present; — = absent; (#) = uncertain, regarded as present. Dashed lines ---- in the Culicomorpha separates the three superfamilies:- Chironomoidea, Simulioidea and Culicoidea.

Ptychopteromorpha monophyletic group have a premandible which is only secondarily lost in some Chironomidae and the relatively modified and predaceous Corethrellidae and Chaoboridae. The presence or absence of the premandible in Chironomidae is not associated with either a predatory or detritus/algal diet and its exact function is unclear.

We believe that the premandible-like structures in the three uncertain families of the Bibionomorpha are truly premandibular in origin and therefore, it is regarded as being present in all three. Our reasons are:- Oosterbroek and Courtney (1995: 294, under "(7) Premandibles") state "In the Mycetophilidae and Sciaridae premandible-like sclerites are present and sometimes even markedly developed"; (2) the character matrix (number 7 for the larval premandible) in Oosterbroek and Courtney (1995: 310, Appendix 2) is scored with a "**?**" (rather than a "**0**" for absent) for three Bibionomorpha families (Cecidomyiidae, Mycetophilidae and Sciaridae); (3) the fact that they call them "premandible-like sclerites" implies that they occur in the position where a premandible could be expected; (4) because all Ptychopteromorpha and most families of the Culicomorpha and Psychodomorpha have a premandible, this indicates that such structures in Bibionomorpha would not be unexpected; and (5) our summary text below arguing that the presence of a larval premandible is the plesiomorphic condition within the Diptera implies that if there is a sclerite in the premandibular location then it is likely to be premandibular in origin.

In summary (Table 1), within the Lower Diptera, the premandible is present in 15 families, present and absent in one (Chironomidae), and absent in the remaining 10 although a remnant is said to be present in some limoniid Tipulidae. In only one genus each in the Anisopodidae (*Olbiogaster* Osten-Sacken) and Psychodidae (*Trichomyia* Haliday), the premandible is secondarily lost but is otherwise always present in those families. The loss of the premandible is we believe generally associated with changes in feeding methods causing minor to major changes in the head structure which is often combined with a highly specialised larval habitat and ecology. Since most families in the Culicomorpha + Ptychopteromorpha monophyletic group have a premandible, and this group is the most basal one in the Diptera, we regard the presence of a larval premandible as the plesiomorphic condition within the Diptera, that it would be present in the ground plan of the Lower Diptera and therefore present in the earliest chironomids. Whether or not the Culicomorpha + Ptychopteromorpha is the sister group to all other Diptera is possible but unproven as there is no single synapomorphy which unifies the remaining Diptera - molecular data may eventually resolve this even if morphological data alone cannot.

Dollo's law, the concept that evolution is not substantively reversible, implies that the degradation of genetic information is sufficiently fast that genes or developmental pathways released from selective pressure will rapidly become nonfunctional (Marshall *et al*., 1994). Why then do the morphological and molecular data in chironomids not appear to always agree with and support each other? The only explanation that we can provide is that Dollo's law does not always apply and sometimes features expressed in the recent or the distant past (which have become de-activated but are still present in the genes) in for example a superfamily, family, subfamily, tribe, etc., are re-awakened and expressed sporadically in later lineages. In other words, a feature that was present in an ancestor, because it is still present in the genes and not compromised can be switched back on and become functional in a more

recent descendant. Ecological, environmental, habitat or other factors can, in our view, cause the re-activation of the relevant genes resulting in the re-appearance of a functional feature which had been lost for either short or long periods of time and which may have skipped intermediate lineages without being expressed. Such a scenario does explain the conflicting morphological evidence that may be found within a taxonomic group and may provide the answer as to why certain synapomorphies and symplesiomorphies sometimes cannot be found and do not appear to exist in very large lineages such as the Orthocladiinae. In the Orthocladiinae, several discrete tribes appear to exist based on morphology such as the *Brillia*-group of genera. However, because no synapomorphies and symplesiomorphies have been found which segregate the *Brillia*-group from all other orthoclad genera, it was not possible to formally name or provide a diagnosis for a tribe. In contrast to the somewhat confused morphological data, the molecular data (Cranston *et al*., 2012) indicate support for at least four tribes in the Orthocladiinae which would involve resurrecting three available tribe names *viz*. "Orthocladiini", "Metriocnemini" and "Corynoneurini" and creating a new tribe for the *Brillia*-group. The data are preliminary and more investigation is therefore required (to include unsampled genera). It appears to be the case that morphological features, particularly in a large lineage with a long history, can sometimes become complicated with the relationships obscured and confused by a combination of homologies, parallelisms, losses, etc. intermixed with apomorphies and plesiomorphies (sometimes switching back and forth), and re-awakened recent or older features.

Even with all life stages available, for many key extant chironomid genera, morphology alone has not always resolved their placement and molecular divergence/dating was needed to resolve the most disputed and contentious placements. Trying to place fossil taxa, particularly those postulated to be of higher rank, will be fraught with difficulties. With fossils the main advantage that we have is a date but sometimes there are problems with it:- (1) the date range may be narrow or broad but is often not very precise (may span ±several million years); (2) the date may be disputed and subject to change, or (3) the date gives no indication if the fossil is from the start, middle or end of its lineage. In the case of compression fossils, we may only have a partial or complete wing impression sometimes with a flattened body with most features indistinguishable. With fossil species, finding all associated life stages of a species is likely to be an exceedingly rare event and we will be lucky in most cases to find associated male and female adults. There are no clear indications yet as to whether or not usable DNA can be consistently extracted from amber fossils. Extraction from compression fossils seems more unlikely, but there is also a time element because the oldest fossils (which are of the greatest interest) are less likely to have usable DNA.

If phylogenies based on morphology alone are sometimes controversial, how can we easily place fossils when many taxonomic features are not observable, other life stages are lacking and molecular data cannot be extracted? How do we place within the phylogeny a compression fossil of a wing when even within extant subfamilies, some genera can be found with very peculiar wings. If the *Corynoneura*-type wing was only known as a fossil then it would probably be described as a new family or subfamily (not necessarily even in the Chironomidae) and there is little morphological evidence on the wing alone that would clearly and unambiguously place it in the Orthocladiinae.

ORIGINS OF CHIRONOMIDAE

The basis for the minimum age of the Chironomidae of 245-250 Mya given in Ashe and O'Connor (2009) was not specified but we can reveal that there was a strong possibility that the family could have evolved as a consequence of favourable conditions being created in the aftermath of the Permian extinction event (about 251 Mya) although their existence in the Permian could not be ruled out. Since an estimated 90% of life was eradicated, it means that there is only a 10% chance that chironomids (or any other group) that existed in the Triassic also occurred in the Permian. The Permian extinction event is therefore a major barrier beyond which many taxonomic groups do not exist and most groups found in the Triassic evolved in and diversified in the Triassic. Cranston *et al*. (2010) indicate that the Chironomidae may have originated in the Permian (269 Mya - 95% probability, range 308-231 Mya) using a molecular clock (molecular data analysed using the BEAST computer program and four nodes calibrated with fossil data). However, they state that a Permian date is improbable given that no Diptera fossils older than 240 Mya have yet been discovered, despite the fact that suitable deposits exist. Although Diptera have not been found in apparently suitable earlier deposits, their distribution at this time may have been restricted to particular regions which would account for their absence from investigated deposits. The absolute minimum Early Triassic date estimate of 245-250 Mya for the origin of the Chironomidae given in Ashe and O'Connor (2009) is highly likely but whether or not they extend into the Permian is unproven.

In the last 300 million years of Earth history (Permian to the present) four major extinction events have occurred and all are associated with large igneous province (LIP) volcanic eruptions (Wignall 2005) but we focus on the two best known events. The first event was the great Permian extinction about 251 Mya (eradicated about 90% of all life) and the second was the Cretaceous extinction about 65 Mya (eradicated about 75% of all life). There is evidence to indicate that both massive meteorite impacts (von Frese *et al*. 2009) and massive volcanic activity (LIP eruptions) (Wignall 2005) are associated with both extinction events at the end of the Permian and Cretaceous. There are two prevailing theories on the cause of the Permian extinction event:- (1) that it was Earth generated and started with massive volcanic activity (LIP eruption) in Siberia (which created the Siberian Traps) or (2) was the result of a meteor impact in Antarctica. Similarly, there are also two separate theories on the cause of the Cretaceous extinction event:- (1) that it was the result of a meteor impact that struck Yucatán (Mexico) or (2) that it was also an Earth generated event triggered by massive volcanic activity (LIP eruption) in India (which created the Deccan Traps). However, large meteor impacts and massive volcanic events (LIP eruptions) are rather rare in Earth's history over the last 300 million years and given the rarity of such phenomena, the probability that both extinction events have meteor impacts and massive volcanic activity at the same period of time appears to be more than just coincidence. It is highly likely, in our view, that the two causative theories in both the Permian and Cretaceous extinction events are linked which begins with a massive meteoite impact and the shock wave from the impact on one side of the world (passing through the Earth) triggered massive volcanic activity, at a weak point, on the opposite side of the world. The Permian meteor impact in Antarctica triggered massive volcanic activity in Siberia and the Cretaceous meteor impact in Mexico caused massive volcanic activity in India. As a result of the meteor impact in Antarctica the supercontinent of Gondwana eventually broke up.

All 11 extant chironomid subfamilies survived the Cretaceous extinction event since they are all considerably older, dating to at least the Early Cretaceous with some being older and either Jurassic or Late Triassic in age. Both the Permian and Cretaceous extinction events would have created devastation, in both the sea and on land over vast areas, causing the extinction of many groups (both large and small) and resulting in the creation of ecological vacuums over large areas which were mostly devoid of life. Once the effects of both events on the more highly devastated areas had subsided, climatic and other physical processes would begin to modify the landscape on land and form new river channels and lakes. Surviving plant and animal species would begin to re-colonise and adapt to the changed conditions with many new groups evolving to take advantage of new situations or to fill the roles of those lost by extinction.

There is no indication at present if the Cretaceous extinction event (65 Mya) caused the extinction of any chironomid taxa or led to the evolution of new chironomid taxa. The reason why chironomids survived the second extinction event is that they are primarily aquatic (many with additional survival features, e.g. aestivation, drought resistant, the ability to withstand freezing), which gave them a considerable measure of protection compared to terrestrial groups. If a Permian origin for the Chironomidae were proven conclusively, it would be significant because it would mean that the family has survived two major earth extinction events.

ANCESTRAL CHIRONOMID

We know almost nothing about the ancestral or earliest chironomids but some features of the adults and immatures are predictable. One of the great problems in the past, when phylogenetic relationships even within the Culicomorpha were uncertain, was trying to envisage how the different representative family wing types evolved one from another. With the new phylogeny of the Culicomorpha (Borkent, 2012), our understanding of that infraorder becomes clearer. In the Simuloidea, the wings of both the Thaumaleidae and the Simuliidae are readily derivable from their immediate ancestor – the Ceratopogonidae. Similarily in the Culicoidea, the wings of the Corethrellidae, Chaoboridae and Culicidae are easily derivable from their immediate ancestor – the Dixidae. However, it is not quite so easy to derive the wings of all the Simuloidea and Culicoidea families from the Chironomidae. The only explanation is that the extant typical chironomid wing has lost many of the features that the ancestral or earliest chironomids possessed.

By looking at the various wing veins and cells present in different culicomorphan families (and the Ptychopteromorpha {Ptychopteridae + Tanyderidae} as sister group), it should be possible to construct an ancestral chironomid/culicomorphan wing. This ancestral chironomid/culicomorphan wing must have been broader (with a greater width to length ratio), lacked a discal cell but had the following veins (R_1, R_2, R_3, R_{4+5}, M_1, M_2, CuA_1, CuA_2, A_1 and A_2) which all reached the wing margin. The ground-plan dipteran wing (McAlpine, 1981: 30, Fig. 69) and the Tanyderidae wing of *Protanyderus* Handlirsch (Alexander, 1981: 150, Fig. 3) are very similar, which is not surprising since the Tanyderidae is one of the most basal extant families. Some Tipulomorpha have a similar wing but because they are no longer considered as a basal group within the Diptera, they have merely inherited the ground-plan

wing because the size and proportions of their wings are very similar to that found in the Tanyderidae.

Borkent (2012) suggests that the earliest lineages of Culicomorpha fed on the haemolymph of insects but in chironomids, functional biting mouthparts in the adult female are found in only two extant genera of Podonominae (*Archaeochlus* Brundin and *Austrochlus* Cranston). The form of the mandibles (with large coarse teeth) and the laciniae (lacking teeth) indicates that they feed on insects. Although the host is unknown, it is possible that during mating, the female of *Archaeochlus* and *Austrochlus* feed on the male (*in copula*) – a phenemenon which occurs in some other insect feeding Diptera. Among fossil Chironomidae mandibulate females of several subfamilies, from the Early Jurassic to the Lower Cretaceous, are commonly encountered but interestingly mandibulate males (*Libanochlites* and *Wadelius* Veltz, Azar and Nel), though much rarer, are also reported (Azar and Nel 2012). Some fossil species of mandibulate chironomid possessed both large toothed mandibles and toothed laciniae "suggesting they fed on invertebrates but in a mode requiring the anchoring of the mouthparts" (Borkent, 2012).

Within the Ptychopteromorpha, the Tanyderidae larvae are amphipneustic and their ecology "*Immature stages occur in the sandy margins of large rivers. The larvae are aquatic or nearly so.*" (Alexander, 1981: 150) is similar to that which we envisage for the ancestral chironomid.

The following is a summary of the features that we expect were present in the ancestral chironomid:-

Adult. The adult antenna in both sexes would have been similar (but plumose only in the male) with the same number of flagellomeres, at least 16 but possibly 18 to 20 or more. The wing was broader, lacked a discal cell, and possessed a greater compliment of veins (including R_1, R_2, R_3, R_{4+5}, M_1, M_2, CuA_1, CuA_2, A_1 and A_2) which all reached the wing margin. The adult female had biting mouthparts and fed on the haemolymph of insects and/or other invertebrates or even vertebrates. The adult male also had biting mouthparts but they were probably not as well developed as those of the female.

Pupa. The pupa had a pair of simple (unbranched) thoracic horns, was more heavily chitinized, uniformly yellowish or brownish in colour dorsally and ventrally, and possessed some chitinized spines on the cephalothorax and on most abdominal segments (on the sides and posterior margins of sternites and tergites). The pupa lived in shallow aquatic margins and crawled (assisted by spines) to the edge for the adult to emerge.

Larva. The larva was at least metapneustic (functional pair of abdominal spiracles) but probably amphipneustic (functional pairs of both prothoracic and abdominal spiracles), free-living in the shaded shallow margins of standing and flowing water, fed on diatoms, algae and detritus, and mottled greenish or yellowish-brown in colour to blend with the substrate.

Egg and egg-mass. The egg-mass was probably a simple gelatinous tube or sphere (containing the eggs) that was affixed to the waterline of stones or vegetation debris in shallow aquatic habitat margins. The egg had a large micropyle at the anterior end.

Chironomids seem to have abandoned haemolymph or blood feeding (except in *Archaeochlus* and *Afrochlus*) in favour of a shorter lifespan for the adult (and therefore no competition with other haemolymph or blood feeding insects) while the larva is longer lived

and the primary feeding stage which results in the capacity to produce a much greater adult biomass. Chironomid adults, pupae and larvae of numerous different taxa are easy to find in abundant numbers nearly everywhere (especially around or near freshwater) but the same (with some exceptions) cannot be said for most of the other Culicomorpha.

Resolved phylogentic relationships, ecology and habitat data for all families of Culicomorpha confirm that the family Chironomidae is the most basal one (Borkent, 2012). As a result, in combination with these insects also being now recognised as an old group dating from at least the Early Triassic supports another observation on chironomids which is often mentioned but the reason never explained. In freshwater aquatic systems (rivers, lakes, etc.), chironomids frequently dominate the ecosystem in both total animal diversity (often 50 to 70% or more of all the species) and total animal biomass (often 50 to 70% or more). This dominance can be explained by the simple fact that chironomids, being an old group, were the first, or one of the first, aquatic insect groups to fully exploit and diversify into a wide range of available freshwater habitats. Because chironomids have not been significantly affected by major extinction events, they still continue to occupy and dominate these freshwater habitats by largely restricting or excluding other groups and confining them to marginal habitats not exploited by chironomids. If chironomids had become extinct, other groups would have rapidly diversified and evolved to occupy all the available vacated habitats.

ZOOGEOGRAPHICAL DISTRIBUTION

Chironomid distribution information in Part 2 for the eight zoogeographical regions, the subfamily Orthocladiinae and the **174** valid genera and **36** valid subgenera, is given in Table 4 and similarly for all **2,275** valid species and **19** subspecies in Table 6. The aim of these two tables is to provide a quick means of identifying which region(s) each genus (and subgenus) and each species (and subspecies) is known from. The actual numbers of known valid species recorded for each genus (and subgenus) within the subfamily Orthocladiinae by zoogeographical region is presented in Table 5.

Total numbers of genera and species for each subfamily by zoogeographical region are given respectively in Tables 7 and 8.

Data is presented in Table 9 which indicates the number of additional species (new species or new records) added to each subfamily and zoogeographical region since the start of 1987. This information gives an indication of the amount of taxonomic activity that there has been in each region and subfamily. Activity in the Orthocladiinae shows that from the beginning of 1987 a total of 787 species have been added to the Palaearctic fauna, followed by the Oriental with 208 and the Neotropical with 174.

Table 10 provides a summary of the total number of valid taxa (genera, subgenera and species) for each subfamily and the total for all subfamilies combined that are treated in Part 1 and Part 2. For genus-group taxa, the number of valid and invalid names (synonyms, nomina dubia, unavailable) for each subfamily is given (with totals) in Table 11 and the same data for species-group names are presented in Table 12.

Dispersal and dispersal rates

It is not yet possible to deal with dispersal and dispersal rates in detail but utilising molecular techniques has already proved useful in resolving dates of origin of some taxa and is likely to be a useful tool for confirming dispersal routes, estimating dispersal rates and arrival times at key locations. Below, we give two examples, one in the Orthocladiinae and one in the Podonominae.

At least two cool-adapted genera of probable southern Neotropical origin (*Lopescladius* Oliveira in the Orthocladiinae and *Parochlus* Enderlein in the Podonominae) have dispersed to high latitudes into the northern hemisphere.

The first of these is *Lopescladius* which includes two subgenera (*Cordiella* Roback and Coffman, and *Lopescladius sensu stricto*) each with four described species. Of the eight named species, six are Neotropical and three are Nearctic. The two subgenera occur in both regions. Some species are found in cool mountain streams while others have adapted to lowland tropical streams. Molecular dates for *Lopescladius* species, from different parts of the distribution range in the Neotropical and Nearctic Regions, are not yet available. However, *Lopescladius* (as currently defined) is essentially a Neotropical element (which probably originated in cool streams in southern Chile) which has dispersed northwards through Central America to the northern Nearctic. The most northerly published records for the genus in the Nearctic are Vancouver Island (British Columbia, Canada) in the west and from Wisconsin and Pennsylvania in the eastern U.S.A. Although the genus is widespread in the Neotropics and Nearctic, there is no indication that it has escaped from the Americas into the eastern Palaearctic. However, it appears quite capable of doing so.

The second of these and the most widely dispersed is the *Parochlus kiefferi*-complex of the *P. araucanus* species-group (Subfamily Podonominae). It is the only example currently known in the Chironomidae of an essentially southern hemisphere temperate element which has dispersed widely into the cool high latitudes of the Nearctic and which escaped from the Americas and spread throughout the northern Palaearctic. Data in Cranston *et al*. (2010) indicate that the *P. araucanus* species-group originated about 50 Mya in cool temperate areas in the southern Neotropics. From one locality in Norway, *P. kiefferi* (Garrett) has a molecular date of 10 Mya (Cranston *et al*., 2010) but whether or not this is a typical, atypical or an arrival date for the species in the Palaearctic is unclear as dating of other populations in different parts of the region are necessary. Molecular dating of populations of various species in the *P. araucanus* species-group (including *P. kiefferi*) along the dispersal route from the southern Neotropics *via* Central America to the northern Nearctic and across the Palaearctic is likely to provide useful data on dispersal rates and arrival dates at key locations. Such data will also determine the dispersal route taken from the Nearctic into the Palaearctic, either *via* Beringia or the North Atlantic or both. The travel distance *via* mountain chains from Temuco (Southern Chile) through Central America and Alaska to Cape Dezhnev on the Palaearctic side of the Bearing Strait (Russian Far East) is about 16,000 kilometres (= 16,000,000 metres). Taking the origin of the *P. araucanus* species-group at about 50 Mya and assuming a 10 Mya arrival date in the eastern Palaearctic give a 40 Mya travel timescale from Southern Chile which works out at an average dispersal rate of 0.4 metres per year. During the dispersal northwards, significant barriers (physical, climatic, habitat, etc.) would have impeded progress in various locations,

often for millions of years, until geological events, habitat changes, etc. created conditions which enabled each barrier to be crossed.

Subfamily ORTHOCLADIINAE

At present, the Subfamily Orthocladiinae contains 174 valid genera and 36 valid subgenera (Table 4), 2,275 valid species and 19 valid sub-species (Table 6). In addition, there are 113 genus-group and 1,470 species-group names which are either synonyms, nomina dubia or unavailable. The subfamily Orthocladiinae has been recorded from all eight zoogeographical regions including Antarctica.

Tribes are not currently recognised in the Orthocladiinae but preliminary molecular data in Cranston *et al*. (2012) indicate that four (or more) tribes are likely to be established which will probably include redefined "Orthocladiini", "Metriocnemini" and "Corynoneurini" tribes and a tribe for the *Brillia*-group of genera.

A number of fossil Orthocladiinae species have been described in various genera. The generic placement of many of the older descriptions is almost certainly incorrect and most have not been investigated since they were originally described.

The ten most widespread genera are: *Clunio* Haliday, *Corynoneura* Winnertz, *Cricotopus* Wulp, *Eukiefferiella* Thienemann, *Limnophyes* Eaton, *Nanocladius* Kieffer, *Parakiefferiella* Thienemann, *Parametriocnemus* Goetghebuer, *Pseudosmittia* Edwards and *Thienemanniella* Kieffer, which are known from seven of the eight zoogeographical regions. At least two of these genera (*Clunio* and *Limnophyes*) can be expected to occur in all eight regions. Other genera which can be expected from seven of the eight regions include *Allocladius* Kieffer, *Bryophaenocladius* Thienemann, *Cardiocladius* Kieffer, *Compterosmittia* Sæther, *Metriocnemus* Wulp, *Orthocladius* Wulp, *Paraphaenocladius* Thienemann, *Paratrichocladius* Santos-Abreu, *Rheocricotopus* Thienemann & Harnisch, *Smittia* Holmgren, *Synorthocladius* Thienemann and *Thalassosmittia* Bequaert & Goetghebuer. The ten most speciose genera in descending order are:- *Cricotopus* (218), *Orthocladius* (142), *Bryophaenocladius* (115), *Pseudosmittia* (93), *Limnophyes* (90), *Eukiefferiella* (84), *Smittia* (83), *Corynoneura* (73), *Rheocricotopus* (70) and *Metriocnemus* (67). All of the most widespread and speciose genera are relatively apomorphic (i.e. more recently evolved) within the Orthocladiinae lineage. Whether or not some plesiomorphic orthoclad genera were much more speciose and zoogeographically widespread in the past and gradually replaced by more apomorphic genera is unclear – detailed investigation of fossils in amber should provide an answer. In the Orthocladiinae, there are 56 monotypic genera, 75 genera with between two and nine species, 22 genera with 10 to 25 species and 21 genera with 26 or more species. There are also 40 species which are treated as valid but generically unplaced.

The most diverse region, at present, based on the ratio of genera to species is the Palaearctic (**99:1287**) followed by the Nearctic (**92:482**), Neotropical (**64:260**), Oriental (**55:286**), Afrotropical (**45:167**), Australasian (**49:112**), Oceanian (**15:45**) and Antarctica (**3:4**) (Table 4). There are 232 Orthocladiinae species which display a Holarctic distribution (i.e. known from both the Nearctic and the Palaearctic). This figure of 232 represents 48.1% of the Nearctic fauna but only 18.0% of the Palaearctic fauna.

There are at present a total of **72** genera and **8** subgenera in the Orthocladiinae which are

currently endemic to a single zoogeographical region. The breakdown of these endemics (**genera:subgenera**) for each region are as follows:- Neotropical (**21:0**), Australasian (**18:0**), Palaearctic (**15:4**), Nearctic (**6:2**), Afrotropical (**6:1**), Oriental (**4:1**), Oceania (**1:0**) and Antarctica (**1:0**). These genera and subgenera can be readily identified by consulting the relevant column in Tables 4 or 5.

Within the Holarctic there are 27 genus-group taxa (genera and subgenera) which are endemic to either the Nearctic or the Palaearctic (Table 2). Current endemicity in the Holarctic, in most cases, is likely an artefact linked to the paucity of known species in each taxon (21 monotypic, four with two species, one with eight and one with 15 species). Some of these taxa have a very specific ecology and are less likely to be collected by standard sampling methods. The larvae of *Dratnalia* Sæther & Halvorsen and *Eurycnemus* Wulp are associated with and reside within larval/pupal cases of Trichoptera while *Oreadomyia* Kevan & Cutten-Ali-Khan (known from a single flightless adult female) was collected in a pitfall trap.

Nearctic	Palaearctic
Georthocladius (***Atelopodella***) (1)	***Agurayusurika*** (1)
Oreadomyia (1)	***Amphismittia*** (1)
Pseudorthocladius (***Lordella***) (1)	***Arctosmittia*** (1)
Saetheriella (1)	***Bavarismitta*** (1)
Sublettiella (1)	***Boreosmittia*** (8)
Tethymyia (1)	***Chaetocladius*** (***Amblycladius***) (1)
Trichochilus (1)	***Dratnalia*** (1)
Unniella (1)	***Eurycnemus*** (2)
	Gunmayusurika (1)
	Halocladius (***Psammocladius***) (1)
	Metriocnemus (***Inermipupa***) (1)
	Molleriella (1)
	Okayamayusurika (1)
	Prosmittia (15)
	Psectrocladius (***Mesopsectrocladius***) (2)
	Sasacricotopus (1)
	Tonegayusurika (1)
	Trichosmittia (2)
	Trissocladius (2)

TABLE 2. Holarctic genera and subgenera currently endemic to either the Nearctic or the Palaearctic (number of species in parentheses).

The majority of these taxa can be expected to occur in both regions but if any of the Nearctic taxa occur in the Neotropical Region (and originated there), then they cannot be expected in the Palaearctic (with the possible exception of *Lopescladius* - see text on Dispersal and Dispersal Rates above).

One recurring phenomenon is that genera which were first described from higher latitudes in the Nearctic are frequently discovered in the eastern Palaearctic but in a number of cases appear to be absent from the western Palaearctic. This discrepancy between the eastern and western Palaearctic may be related to successive glaciation events which could have caused the extinction of some of these genera in Western Europe.

Trans-Antarctic relationships

Known trans-Antarctic relationships in the Chironomidae at generic level are given in Table 2 (data from Part 1 and Part 2 of the Catalogue) and within the Orthocladiinae have been demonstrated in seven genera. In Australasia, all seven examples within the Orthocladiinae involve Australia but only three of these (*Austrocladius*, *Pirara* and *Stictocladius*) are known from New Zealand. The Subfamily Chironominae (to be treated in Part 3 of the Catalogue) with two genera, *Megacentron* Freeman and *Riethia* Kieffer displaying trans-Antarctic relationships, is included for completeness. *Megacentron* has one species in the Neotropical and one in the Australasian Region while *Riethia* has two species in the former and four species in the latter region. It is expected that more examples will be discovered as our knowledge particularly of the fauna of the temperate southern Neotropics and temperate Australasia (primarily south-east and south-west Australia and New Zealand) increases. Trans-Antarctic relationships involving the southernmost Afrotropical with either the Neotropical or Australasian Region is not likely to be as significant and only two examples, in the Aphroteniinae and Telmatogetoninae, have so far been demonstrated. In the Telmatogetoninae, two apparent sister species in *Telmatogeton* occur in the southern Neotropical and the southern Afrotropical and although the genus occurs worldwide, with five species in Australasia, a sister group relationship involving the latter with the two former Regions is expected but unproven. In addition to the above cases involving genera, trans-Antarctic relationships have also been demonstrated involving sister genera, sister-species groups or sister-species occurring in at least two of the different Regions.

Until recently, the shared presence of trans-Antarctic chironomid taxa on widely separated parts of the southern continents was believed to indicate that at least some of these taxa dated back to the Early Cretaceous (about 130 Mya) when all these continents formed the single landmass of Gondwana. When Gondwana broke up, it was presumed that all trans-Antarctic taxa were carried passively on the various fragments by continental drift with the separation time of individual fragments from one another providing a minimum age for different taxa. However, the whole story of trans-Antarctic relationships in Chironomidae is much more complicated than previously realised as detailed in Krosch *et al*. (2011) in their study on the Orthocladiinae (which includes molecular dating). The data in Krosch *et al*. (2011: 467) "imply that the current distributions and evolutionary affinities of the proposed Gondwanan orthoclads have been shaped not only by continental fragmentation but also by relatively extensive and repeated transoceanic dispersal among the major southern landmasses". Data for

TRANS-ANTARCTIC CHIRONOMID GENERA	Southern Neotropical	Southernmost Afrotropical	Southern Australasian
Catalogue Part 1 Data			
APHROTENIINAE			
Aphrotenia (3)		# (2)	# (1)
Aphroteniella (2)	#		# (2)
Paraphrotenia (3)	# (2)		# (1)
PODONOMINAE			
†*Parochlus* (50)	# (28)		# (19)
Podochlus (22)	# (16)		# (6)
Podonomopsis (7)	# (5)		# (2)
Podonomus (40)	# (35)		# (5)
Rheochlus (3)	# (2)		# (1)
DIAMESINAE			
Parapheptagyia (7)	# (5)		# (2)
TELMATOGETONINAE			
Telmatogeton (28)	# (1)	# (1)	*Present
Catalogue Part 2 Data			
ORTHOCLADIINAE			
Austrobrillia (3)	# (2)		# (1)
Austrocladius (8)	# (4)		# (4)
Botryocladius (13)	# (4)		# (9)
Pirara (3)	# (1)		# (2)
Rhinocladius (3)	# (2)		# (1)
Stictocladius (18)	# (11)		# (7)
Symbiocladius (*Acletius*) (3)	# (2)		# (1)
CHIRONOMINAE			
Megacentron (2)	# (1)		# (1)
Riethia (6)	# (2)		# (4)

TABLE 3. Known (#) trans-Antarctic relationships at genus-level (species number in parentheses). † = *Parochlus* species number increased since 2009 from 48-50. * = *Telmatogeton* present in Australasian but southern sister species reported from Neotropical and Afrotropical only.

some taxa, e.g. *Botryocladius* Cranston & Edward, support Gondwanan fragmentation (separation of Australia from South America about 30 Mya). However, for the majority of orthoclad taxa, the divergence times largely post-dated fragmentation of Gondwana. Three suggested mechanisms of transoceanic dispersal are given: (1) aerial dispersal by active flight, (2) passive transport on wind currents, and, (3) carriage in the gut passage of migratory

birds. Another mechanism, we suggest, could involve the carriage of viable chironomid egg-masses sticking to the under feathers and feet of migratory birds (those which frequent rivers and lakes).

Human assisted dispersal

Some species, known from several zoogeographical Regions, show anomalies by occurring in a region where dispersal, plate tectonics or vicariance events alone cannot account for their presence. Such species have apparently been spread accidentally by humans, transported primarily by boat or ship, over the last several hundred to several thousand years. These Orthocladiinae include aquatic species (carried in freshwater barrels, bilge water, drinking water, freshwater ballast, receptacles trapping rainwater, etc.), marine species (carried among hull encrustations on boats or ships, in marine ballast water) and terrestrial and semi-terrestrial species (in soils of potted plants, in natural fertilizers such as guano, in faeces of live cattle, under bark of lumber, in dunnage, etc.). Some of the genera involved include *Camptocladius* Wulp, *Corynoneura*, *Cricotopus*, *Limnophyes*, *Pseudosmittia*, *Semiocladius* Sublette & Wirth, and *Smittia*. Some records may be misidentifications of specimens which are morphologically inseparable but molecular investigation should eventually resolve such problems.

Three examples with possible explanations are given:- (1) *Camptocladius stercorarius* (De Geer) which breeds in cattle dung is primarily Holarctic but occurs in Australasia and its occurrence in the latter region may be associated with the transport by ship of live cattle into Australia in the 19th Century; (2) *Limnophyes minimus* Eaton was originally described from the Kerguelen Islands in Antarctica but also occurs in the Nearctic, Palaearctic, Afrotropical and Oriental Regions. It is not clear whether or not this species was accidentally introduced to the Kerguelen Islands or if it is native to these islands and was spread from there to the other regions; (3) The species *Pseudosmittia brachydicrana* (Edwards) is widespread in the Pacific (Australasia and Oceania) but also occurs in the Afrotropical Region and Jamaica in the Neotropical Region. Its presence in the Afrotropics cannot yet be explained but its occurrence in Jamaica is almost certainly associated with the soil of potted Breadfruit plants transported from Tahiti to Jamaica in the late 18th Century (in 1793).

In recent decades, dispersal within a few hours of live adults (especially mated females) over long distances can occur when they travel in the cabin or cargo hold of aircraft and on arrival escape to successfully lay eggs in an alien environment.

There are three documented cases of chironomid introductions into the remote Hawaiian Islands (Englund, 2002: Table 2), one in the Orthocladiinae and two in the Chironominae. The first concerns *Cricotopus* (*C.*) *bicinctus* (Meigen) recorded in 1955 and associated with aquarium release or imported aquarium plants – the most likely source is from North America. The second is *Chironomus* (*Camptochironomus*) *crassiforceps* Kieffer which was introduced by airplane in 1944 from either the Oriental Region or from other Pacific islands. The third is *Goeldichironomus holoprasinus* (Goeldi) which arrived in 1969 from either the Nearctic or the Neotropics though the means by which it arrived is unknown.

SUMMARY OF DATA IN PART 2 BY ZOOGEOGRAPHICAL REGION

Antarctica

Antarctica, as expected, is by far the smallest zoogeographical region in terms of the numbers of genera and species recorded. From 1987 to the present there has been no change to the number of species known from the region. Only three genera and four named species of Orthocladiinae have so far been reported from Antarctica. This includes two species in the endemic genus *Belgica* Jacobs, *B. antarctica* Jacobs and *B. albipes* (Séguy) and one species each in the genera *Eretmoptera* Kellogg (*E. murphyi* Schaeffer) and *Limnophyes* (*L. pusillus* Eaton). In addition, there is one unnamed species of *Limnophyes* reported by Brundin (1970) from South Georgia. The habitats of these five species are essentially either aquatic (in small pools) or semi-terrestrial and there are to-date no reports of Orthocladiinae from larger aquatic habitats (lakes or streams) which may be frozen for most of the year or from littoral marine habitats (though *Clunio* can be expected). A few additional genera and species can be expected from the subantarctic islands most of which are poorly investigated for chironomids.

Neotropical

In terms of described Orthocladiinae, the Neotropical Region is currently the fourth richest region (after the Palaearctic, Nearctic and Oriental) with 64 genera and 260 species recorded (Table 7, 8). Of these 64 genera, 21 (32.8%) are endemic which is the second highest rate of endemicity after the Australasian Region. The number of Neotropical species, added since the start of 1987, stands at 174 which is an increase of 66.9% within the last 24 years compared to a total valid fauna of 86 species described between 1758 and 1986 (Table 9).

The Neotropical Region is likely to maintain a large percentage of endemic genera. An even larger percentage of genera have evolved there but many have spread northwards by dispersal into at least the southern Nearctic. Other genera, which display trans-Antarctic connections, exist in both the Neotropical and the Austalasian Regions (primarily south-east Australia, New Zealand) and some could also exist in the southern Afrotropical Region. Some genera, which are essentially Holarctic in origin, have spread southwards from the Nearctic by dispersal into the Neotropical Region.

There are 20 orthoclad species which display a pan-American distribution (i.e. known from both the Neotropical and the Nearctic Regions). These 20 species represent 7.7% of the currently known Neotropical fauna. Both the number and the percentage of pan-American species are likely to increase as our knowledge of the fauna of both regions increases.

Nearctic

The Nearctic is, at present, the second richest region with 92 genera and 482 species recorded (Table 7, 8). There are six endemic genera (6.5%) and two endemic subgenera known from the Nearctic (Table 2) most of which are unlikely to be true endemics and some known from high latitudes are likely to be discovered in the Palaearctic and those known from the southern U.S.A. may occur in the Neotropics. Only 76 species (15.8%) have been added to the fauna since the start of 1987 (Table 9). Quite a few genera, which are essentially Neotropical in origin, have spread northwards by dispersal mostly into the southern Nearctic but with a few reaching further north into Canada. The majority of such genera are confined to the Americas

but a few are trans-Antarctic (e.g. *Stictocladius* Edwards occurs in the Neotropical, Nearctic and Australasian Regions).

There are 232 orthoclad species known from both the Nearctic and the Palaearctic. This total represents almost half (48.1%) of the known Nearctic fauna but only 18.0% of the Palaearctic fauna. The 20 known pan-American species (i.e. occurring in both the Neotropical and the Nearctic) represent 4.1% of the Nearctic fauna.

Palaearctic

Currently the richest region is the Palaearctic with 99 genera and 1287 species known (Table 7, 8). There are presently 15 endemic genera (15.2%) and four endemic subgenera reported (Table 2) but the majority are not likely to be truly endemic and at least some can be expected in the Nearctic and those known from the eastern Palaearctic may occur in the Oriental Region. A considerable number of additions are to be expected particularly along the southern fringes, in the northern latitudes and in the eastern Palaearctic. In 1987, the ratio of the number of genera to species in the Palaearctic (**74:500**) and Nearctic (**79:406**) were comparable (Ashe *et al*., 1987) but now, between the Palaearctic (**99:1287**) and the Nearctic (**92:482**) there is a very large difference in the number of species. Since the beginning of 1987, the Palaearctic has increased by 787 species (61.15%) while the Nearctic during the same period has only increased by 76 species (15.8%). Considerably more valid Palaearctic species have been described in the last 25 years (1987 to 30 June 2012) than were described in the entire 238 year period from 1758 to 1986.

The 232 orthoclad species known from both the Nearctic and the Palaearctic represent less than one fifth (18.0%) of the known Palaearctic fauna and certainly, a final figure of about 20-25% seems likely. In contrast, there are currently only 9 species common to both the Palaearctic and Afrotropical Regions and 63 common to both the Palaearctic and Oriental Regions. The figures of 9 and 63 represent 0.7% and 4.9% respectively of the Palaearctic fauna. These totals are very low given that all three regions adjoin one another and have contiguous land connections and reflect the fact that the Afrotropical (in particular) and Oriental faunas are still poorly known.

Afrotropical

For the Afrotropical Region, there are currently 45 genera and 167 species of Orthocladiinae recorded (Tables 7, 8) with 56 additional species (33.6%) added since the start of 1987 (Table 9). There are only six endemic genera (13.3%) and one endemic subgenus known from the region. In terms of described valid Orthocladiinae taxa, the Afrotropical is currently the fifth most diverse region. A greater investigative effort in studying the Afrotropical Region is likely to see a significant increase in the number of genera and species of Orthocladiinae. More investigations in the East African Highlands is likely to result in a significant increase in the number of known cool-adapted Holarctic orthoclad genera which have spread southwards by dispersal from the southern Palaearctic with a few of these possibly extending as far south as the higher elevations of southern Africa. The majority of such cool-adapted genera are likely to be absent from the rest of the Afrotropical Region.

Currently only 9 species are common to both the Afrotropical and Palaearctic Regions,

representing 5.4% and 0.7% respectively of the known faunas. This low figure reflects the fact that the Afrotropical fauna has not been intensively studied and that the figure should be considerably higher given the proximity of the two regions.

Oriental

In the Oriental Region, there are at present 55 genera and 286 species recorded (Tables 7, 8). From the start of 1987, with 208 species (72.7%) added (Table 9), it has been the most active region for Orthocladiinae in terms of percentage added but second to the Palaearctic in the number of species added. Of the 55 known genera, only four (7.3%) and one subgenus, are at present endemic to this region. The Oriental Region is in a strategic position and has borders with, or parts of it are close to, four adjoining regions:- Australasian to the south-east, Oceania to the east, the eastern Palaearctic to the north and the Afrotropical to the south-west. It can therefore receive or exchange faunal elements from all four regions. In the longer term, it is likely to prove to be one of the richest of the regions in both genera and species.

There are 63 species common to both the Oriental and Palaearctic Regions, representing 22.0% and 4.9% respectively of the currently known faunas. As our knowledge of the Oriental fauna increases, the number of shared species is expected to rise substantially.

Australasian

The Australasian Region has records so far for 49 genera and 112 species (Tables 7, 8) with 28 species added (25%) since the beginning of 1987 (Table 9). Of the 49 recorded genera, there are 18 (36.7%) which are currently endemic to the region which is the highest percentage endemicity of any region. A high level of endemism is likely to be maintained. Six genera and one subgenus display trans-Antarctic relationships occurring in Australia/New Zealand and the southern Neotropical Region.

The immature stages of many Australian orthoclad species have been described (e.g. Cranston, 2001) although a considerable number have not yet been formally named. The New Zealand orthoclad fauna is moderately well known but knowledge of the other areas (eastern Indonesia, Papua New Guinea, New Caledonia, the Solomon Islands, etc.) is practically non-existent.

The more generalised comments on Australasia in Part 1 of the Catalogue (Ashe and O'Connor, 2009: 32) apply equally to the Orthocladiinae.

Oceania

Oceania is the least known of all the zoogeographical regions with 15 genera and 45 species recorded (Tables 7, 8) and only 8 species added (18%) since the start of 1987 (Table 9). Only one endemic genus (*Rhagosmittia* Ferrington & Sæther) in currently known. Most islands which constitute Oceania are geologically quite recent with a few dated between 10 and 50 Mya but the average age is mostly between 250,000 years and 10 Mya (Craig *et al.*, 2001). The oldest of the larger Hawaiian Islands is Kawai (5 Mya) but the youngest is Hawaii (100,000 years old) (Dr Neal Evenhuis pers. comm. to P. Ashe).

Of the 56 Oceanian islands listed in Craig *et al.* (2001), the majority are volcanic and formed over hot-spots, many are small in area and low in altitude, 32 have no rivers or streams

and on many the amount of available standing freshwater is limited. Data in Craig (2003) show that hot-spot volcanic islands undergo an evolutionary sequence of change over time (emergence from the sea, volcanic peak forms, island and volcano attain maximum size, island moves away from hot-spot, weathering gradually reduces size of the island and volcanic peak, rivers and streams disappear with loss of volcanic peak, island disappears under the sea). The above factors and evolutionary island sequence limits opportunities for dispersal and greatly restricts the diversity of genera and species likely to occur. Consequently, the islands of Oceania have had to acquire their chironomid fauna since they emerged from the sea and some islands which had extensive standing water, rivers and streams in the past have lost all the lotic and most of the lentic species. Most of the more primitive subfamilies and genera are likely to be absent from the region and on some islands with limited freshwater, the significant component will be terrestrial and marine species. The total chironomid fauna of some of the smaller islands may consist of only 10 to 20 species.

The number of truly endemic orthoclad genera in the region is not likely to be very high. Some terrestrial genera are known, several of which have probably been spread by man, and additions are expected especially among the zoogeographically more widespread genera. Marine genera present include *Clunio* and *Semiocladius*. The predominantly marine genus *Thalassosmittia* which occurs on Pacific coasts in the Nearctic and Palaearctic can be expected in the Oriental, Oceanian and Australasian Regions. The more generalised comments on Oceania in Part 1 of the Catalogue (Ashe and O'Connor, 2009: 32-33) apply equally to the Orthocladiinae.

TABLE 4. List of all valid genus-group taxa and known zoogeographical distribution.
Total = Running total for all genus-group taxa (continued from Part 1).
Gen = Running total for valid genera in each subfamily.
G&S = Running total for valid genus-group names (genera & subgenera) in each subfamily.
 # = Confirmed Genus/Subgenus record; ® = Record requires confirmation.

Total	Gen	G&S	ORTHOCLADIINAE (174)	AN	NT	NE	PA	AF	OR	AU	OC
122	1	1	**AAGAARDIA** (5)	-	-	#	#	-	-	-	-
123	2	2	**ABISKOMYIA** (2)	-	-	#	#	-	-	-	-
124	3	3	**ACAMPTOCLADIUS** (3)	-	-	#	#	-	-	-	-
125	4	4	**ACRICOTOPUS** (6)	-	-	#	#	-	#	-	-
126	5	5	**AGURAYUSURIKA** (1)	-	-	-	#	-	-	-	-
127	6	6	**ALLOCLADIUS** (25)	-	#	#	#	#	#	#	-
128	7	7	**ALLOMETRIOCNEMUS** (2)	-	-	-	-	-	-	#	-
129	8	8	**ALLOTRISSOCLADIUS** (2)	-	-	-	-	-	#	#	-
130	9	9	**AMPHISMITTIA** (1)	-	-	-	#	-	-	-	-
131	10	10	**ANTILLOCLADIUS** (28)	-	#	#	#	-	#	-	-
132	11	11	**ANZACLADIUS** (3)	-	-	-	-	-	-	#	-
133	12	12	**APOMETRIOCNEMUS** (2)	-	-	#	#	-	-	-	-
134	13	13	**ARCTOSMITTIA** (1)	-	-	-	#	-	-	-	-
135	14	14	**ASCLERINA** (1)	-	-	-	-	-	#	-	-
136	15	15	**AUSTROBRILLIA** (3)	-	#	-	-	-	-	#	-
137	16	16	**AUSTROCLADIUS** (9)	-	#	-	-	-	-	#	-
138	17	17	**BAEOCTENUS** (3)	-	-	#	#	-	-	-	-
139	18	18	**BARBADOCLADIUS** (2)	-	#	-	-	-	-	-	-
140	19	19	**BAVARISMITTIA** (1)	-	-	-	#	-	-	-	-
141	20	20	**BELGICA** (2)	#	-	-	-	-	-	-	-
142	21	21	**BOREOSMITTIA** (8)	-	-	-	#	-	-	-	-
143	22	22	**BOTRYOCLADIUS** (13)	-	#	-	-	-	-	#	-
144	23	23	**BRILLIA** (15)	-	-	#	#	-	#	-	#
145	24	24	**BRYOPHAENOCLADIUS** (115)	-	#	#	#	#	#	#	-
146	25	25	**CAMPTOCLADIUS** (1)	-	-	#	#	-	-	#	-
147	26	26	**CARDIOCLADIUS** (19)	-	#	#	#	#	#	#	-
148	27	27	**CHAETOCLADIUS** (58)	-	-	#	#	#	#	-	-
149		28	Subg. **AMBLYCLADIUS** (1)	-	-	-	#	-	-	-	-
150		29	Subg. **CHAETOCLADIUS** (57)	-	-	#	#	#	#	-	-
151	28	30	**CHASMATONOTUS** (14)	-	-	#	#	-	-	-	-
152	29	31	**CLUNIO** (25)	-	#	#	#	#	#	#	#
153	30	32	**COLOSMITTIA** (3)	-	#	-	-	#	-	-	-
154	31	33	**COMPTEROSMITTIA** (12)	-	#	#	#	-	#	#	#
155	32	34	**CORYNONEURA** (73)	-	#	#	#	#	#	#	#

TABLE 4 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Gen	G&S									
156	33	35	**CORYNONEURELLA** (2)	-	-	-	#	#	-	-	-
157	34	36	**CRICOTOPUS** (218)	-	#	#	#	#	#	#	#
158		37	Subg. **CRICOTOPUS** (124)	-	#	#	#	#	#	#	#
159		38	Subg. **ISOCLADIUS** (42)	-	#	#	#	-	#	#	-
160		39	Subg. **MAURIUS** (1)	-	-	-	-	#	-	-	-
161		40	Subg. **NOSTOCOCLADIUS** (5)	-	-	#	#	-	-	-	-
162		41	Subg. **PSEUDOCRICOTOPUS** (7)	-	-	#	#	-	#	-	-
			CRICOTOPUS ?Subgenus (39)	-	#	#	#	#	#	-	-
163	35	42	**DIPLOCLADIUS** (1)	-	#	#	#	-	-	-	-
164	36	43	**DIPLOSMITTIA** (9)	-	#	#	-	-	-	-	-
165	37	44	**DOITHRIX** (12)	-	-	#	#	#	#	-	-
166	38	45	**DOLOPLASTUS** (1)	-	-	-	-	-	-	#	-
167	39	46	**DONCRICOTOPUS** (2)	-	-	#	#	-	-	-	-
168	40	47	**DRATNALIA** (1)	-	-	-	#	-	-	-	-
169	41	48	**ECHINOCLADIUS** (1)	-	-	-	-	-	-	#	-
170	42	49	**EDWARDSIDIA** (2)	-	#	-	-	-	-	-	-
171	43	50	**ELPISCLADIUS** (1)	-	-	-	-	#	-	-	-
172	44	51	**EPOICOCLADIUS** (3)	-	-	#	#	-	#	-	-
173	45	52	**ERETMOPTERA** (2)	#	-	#	-	-	-	-	-
174	46	53	**EUKIEFFERIELLA** (84)	-	#	#	#	#	#	#	#
175	47	54	**EURYCNEMUS** (2)	-	-	-	#	-	-	-	-
176	48	55	**EURYHAPSIS** (7)	-	-	#	#	-	-	-	-
177	49	56	**FERRINGTONIA** (2)	-	#	-	-	-	-	-	-
178	50	57	**FREEMANIELLA** (1)	-	-	-	-	#	-	-	-
179	51	58	**GEORTHOCLADIUS** (10)	-	#	#	#	#	-	-	-
180		59	Subg. **ATELOPODELLA** (1)	-	-	#	-	-	-	-	-
181		60	Subg. **GEORTHOCLADIUS** (9)	-	#	#	#	#	-	-	-
182	52	61	**GRAVATAMBERUS** (5)	-	#	-	-	-	-	-	-
183	53	62	**GUNMAYUSURIKA** (1)	-	-	-	#	-	-	-	-
184	54	63	**GYMNOMETRIOCNEMUS** (15)	-	#	#	#	#	-	#	-
185		64	Subg. **GYMNOMETRIOCNEMUS** (11)	-	#	#	#	#	-	#	-
186		65	Subg. **RAPHIDOCLADIUS** (4)	-	-	#	#	-	-	-	-
187	55	66	**GYNNIDOCLADIUS** (1)	-	-	-	-	-	-	#	-
188	56	67	**GYNOCLADIUS** (1)	-	#	-	-	-	-	-	-
189	57	68	**HALOCLADIUS** (6)	-	-	#	#	-	-	-	-
190		69	Subg. **HALOCLADIUS** (5)	-	-	#	#	-	-	-	-
191		70	Subg. **PSAMMOCLADIUS** (1)	-	-	-	#	-	-	-	-
192	58	71	**HANOCLADIUS** (1)	-	-	-	-	-	#	-	-
193	59	72	**HELENIELLA** (11)	-	-	#	#	-	#	-	-
194	60	73	**HETEROTANYTARSUS** (4)	-	-	#	#	-	-	-	-

TABLE 4 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Gen	G&S									
195	61	74	HETEROTRISSOCLADIUS (22)	-	-	#	#	-	#	-	-
196	62	75	**HEVELIUS** (1)	-	-	-	-	-	-	#	-
197	63	76	**HYDROBAENUS** (43)	-	-	#	#	-	-	-	-
198	64	77	**HYDROSMITTIA** (13)	-	-	#	#	#	-	-	-
199	65	78	**ICHTHYOCLADIUS** (3)	-	#	-	-	-	-	-	-
200	66	79	**INDOCLADIUS** (1)	-	-	-	-	-	#	-	-
201	67	80	**IONTHOSMITTIA** (2)	-	-	-	#	#	-	-	-
202	68	81	**IPORANGOMBERUS** (1)	-	#	-	-	-	-	-	-
203	69	82	**IRISOBRILLIA** (1)	-	#	-	-	-	-	-	-
204	70	83	**KANIWHANIWHANUS** (1)	-	-	-	-	-	-	#	-
205	71	84	**KIEFFEROPHYES** (3)	-	-	-	-	-	-	#	-
206	72	85	**KNEPPERIA** (1)	-	-	-	-	#	-	-	-
207	73	86	**KRENOSMITTIA** (20)	-	-	#	#	#	#	-	-
208	74	87	**KUSCHELIUS** (1)	-	-	-	-	-	-	#	-
209	75	88	**LAPPOKIEFFERIELLA** (1)	-	-	#	#	-	-	-	-
210	76	89	**LAPPOSMITTIA** (1)	-	-	#	#	-	-	-	-
211	77	90	**LERHEIMIA** (4)	-	-	-	-	#	-	-	-
212	78	91	**LIMNOPHYES** (90)	#	#	#	#	#	#	#	-
213	79	92	**LIPUROMETRIOCNEMUS** (2)	-	#	#	-	-	-	-	-
214	80	93	**LITOCLADIUS** (5)	-	#	-	-	-	-	-	-
215	81	94	**LOBOSMITTIA** (3)	-	-	-	#	#	#	-	-
216	82	95	**LOPESCLADIUS** (8)	-	#	#	-	-	-	-	-
217		96	Subg. **CORDIELLA** (4)	-	#	#	-	-	-	-	-
218		97	Subg. **LOPESCLADIUS** (4)	-	#	#	-	-	-	-	-
			LOPESCLADIUS ?Subgenus	-	#	#	-	-	-	-	-
219	83	98	**LYROCLADIUS** (2)	-	#	-	-	-	-	-	-
220	84	99	**MARYELLA** (1)	-	-	-	-	-	-	#	-
221	85	100	**MAXIMBERUS** (1)	-	#	-	-	-	-	-	-
222	86	101	**MECAORUS** (1)	-	-	-	-	-	-	#	-
223	87	102	**MESOCRICOTOPUS** (2)	-	-	#	#	-	-	-	-
224	88	103	**MESOSMITTIA** (18)	-	#	#	#	#	#	-	-
225	89	104	**METRIOCNEMUS** (67)	-	#	#	#	#	#	#	-
226		105	Subg. **CRYMALEOMYIA** (1)	-	-	-	-	-	#	-	-
227		106	Subg. **INERMIPUPA** (1)	-	-	-	#	-	-	-	-
228		107	Subg. **METRIOCNEMUS** (65)	-	#	#	#	#	#	#	-
229	90	108	**MIAMBERA** (1)	-	#	-	-	-	-	-	-
230	91	109	**MOLLERIELLA** (1)	-	-	-	#	-	-	-	-
231	92	110	**MURRAYCLADIUS** (1)	-	-	-	-	-	#	-	-
232	93	111	**NAKATAIA** (1)	-	-	-	-	-	-	#	-
233	94	112	**NANOCLADIUS** (34)	-	#	#	#	#	#	#	#

TABLE 4 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Gen	G&S									
234		113	Subg. **NANOCLADIUS** (30)	-	#	#	#	#	#	#	#
235		114	Subg. **PLECOPTERACOLUTHUS** (4)	-	#	#	#	-	#	-	-
236	95	115	**NAONELLA** (2)	-	-	-	-	-	-	#	-
237	96	116	**NASUTICLADIUS** (7)	-	-	-	-	-	#	#	-
238	97	117	**NEOBRILLIA** (2)	-	-	-	#	-	#	-	-
239	98	118	**NESIOCLADIUS** (1)	-	-	-	-	-	-	#	-
240	99	119	**NINELIA** (1)	-	-	#	#	-	-	-	-
241	100	120	**NOTOCLADIUS** (1)	-	-	-	-	#	-	-	-
242	101	121	**OKAYAMAYUSURIKA** (1)	-	-	-	#	-	-	-	-
243	102	122	**OLEIA** (7)	-	#	-	-	-	-	-	-
244	103	123	**OLIVEIRIELLA** (2)	-	#	#	-	-	-	-	-
245	104	124	**OLIVERIDIA** (2)	-	-	#	#	-	-	-	-
246	105	125	**ONCONEURA** (7)	-	#	#	-	-	-	-	-
247	106	126	**OREADOMYIA** (1)	-	-	#	-	-	-	-	-
248	107	127	**ORTHOCLADIUS** (142)	-	#	#	#	#	#	-	-
249		128	Subg. **EUDACTYLOCLADIUS** (17)	-	#	#	#	#	#	-	-
250		129	Subg. **EUORTHOCLADIUS** (30)	-	-	#	#	-	#	-	-
251		130	Subg. **MESORTHOCLADIUS** (7)	-	-	#	#	-	#	-	-
252		131	Subg. **ORTHOCLADIUS** (62)	-	-	#	#	-	#	-	-
253		132	Subg. **POGONOCLADIUS** (1)	-	-	#	#	-	-	-	-
254		133	Subg. **SYMPOSIOCLADIUS** (10)	-	-	#	#	-	#	-	-
			ORTHOCLADIUS ?Subgenus (15)	-	-	-	#	#	-	-	-
255	108	134	**PARACHAETOCLADIUS** (7)	-	-	#	#	-	-	-	-
256	109	135	**PARACLADIUS** (9)	-	#	#	#	-	#	-	-
257	110	136	**PARACRICOTOPUS** (12)	-	-	#	#	-	#	-	-
258	111	137	**PARADOXOCLADIUS** (1)	-	-	-	-	#	-	-	-
259	112	138	**PARAKIEFFERIELLA** (43)	-	#	#	#	#	#	#	#
260	113	139	**PARALIMNOPHYES** (5)	-	-	#	#	-	#	#	-
261	114	140	**PARAMETRIOCNEMUS** (33)	-	#	#	#	#	#	#	#
262	115	141	**PARAPHAENOCLADIUS** (25)	-	#	#	#	#	#	-	#
263	116	142	**PARAPSECTROCLADIUS** (4)	-	#	-	-	-	-	-	-
264	117	143	**PARASMITTIA** (2)	-	-	#	#	-	-	-	-
265	118	144	**PARATRICHOCLADIUS** (27)	-	#	#	#	#	#	#	-
266	119	145	**PARATRISSOCLADIUS** (3)	-	-	#	#	#	#	-	-
267	120	146	**PARORTHOCLADIUS** (7)	-	-	#	#	#	#	-	-
268	121	147	**PAULFREEMANIA** (1)	-	-	-	-	-	-	#	-
269	122	148	**PETALOCLADIUS** (1)	-	#	-	-	-	-	-	-
270	123	149	**PHYSONEURA** (4)	-	#	-	-	-	-	-	-
271	124	150	**PHYTOTELMATOCLADIUS** (1)	-	#	#	-	-	-	-	-
272	125	151	**PIRARA** (3)	-	#	-	-	-	-	#	-

TABLE 4 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Gen	G&S									
273	126	152	**PLATYSMITTIA** (2)	-	-	#	#	-	-	-	-
274	127	153	**PLHUDSONIA** (2)	-	-	#	#	-	-	-	-
275	128	154	**PROPSILOCERUS** (9)	-	-	#	#	-	#	-	-
276	129	155	**PROSMITTIA** (15)	-	-	-	#	-	-	-	-
277	130	156	**PSECTROCLADIUS** (62)	-	#	#	#	#	#	-	-
278		157	Subg. **ALLOPSECTROCLADIUS** (8)	-	-	#	#	-	-	-	-
279		158	Subg. **MESOPSECTROCLADIUS** (2)	-	-	-	#	-	-	-	-
280		159	Subg. **MONOPSECTROCLADIUS** (2)	-	-	#	#	-	-	-	-
281		160	Subg. **PSECTROCLADIUS** (46)	-	#	#	#	#	#	-	-
			PSECTROCLADIUS ?Subgenus (4)	-	-	#	#	-	-	-	-
282	131	161	**PSEUDORTHOCLADIUS** (52)	-	-	#	#	#	#	-	-
283		162	Subg. **LORDELLA** (1)	-	-	#	-	-	-	-	-
284		163	Subg. **PSEUDORTHOCLADIUS** (51)	-	-	#	#	#	#	-	-
285	132	164	**PSEUDOSMITTIA** (93)	-	#	#	#	#	#	#	#
286	133	165	**PSILOMETRIOCNEMUS** (2)	-	-	#	#	-	-	-	-
287	134	166	**PTEROSIS** (1)	-	-	-	-	-	-	#	-
288	135	167	**QINIELLA** (3)	-	-	-	#	-	#	-	-
289	136	168	**RHAGOSMITTIA** (1)	-	-	-	-	-	-	-	#
290	137	169	**RHEOCRICOTOPUS** (70)	-	#	#	#	#	#	#	-
291		170	Subg. **PSILOCRICOTOPUS** (47)	-	#	#	#	#	#	#	-
292		171	Subg. **RHEOCRICOTOPUS** (23)	-	-	#	#	-	#	-	-
			RHEOCRICOTOPUS ?Subgenus	-	#	-	-	-	#	#	-
293	138	172	**RHEOSMITTIA** (5)	-	-	#	#	-	#	-	-
294	139	173	**RHINOCLADIUS** (3)	-	#	-	-	-	-	#	-
295	140	174	**SAETHERIELLA** (1)	-	-	#	-	-	-	-	-
296	141	175	**SAETHEROCLADIUS** (5)	-	#	-	-	-	-	-	-
297	142	176	**SAETHEROCRYPTUS** (2)	-	#	-	-	-	-	-	-
298	143	177	**SAETHEROLABIS** (3)	-	#	-	-	-	-	-	-
299	144	178	**SAETHEROPS** (1)	-	#	-	-	-	-	-	-
300	145	179	**SASACRICOTOPUS** (1)	-	-	-	#	-	-	-	-
301	146	180	**SEMIOCLADIUS** (6)	-	-	-	#	#	-	#	#
302	147	181	**SMITTIA** (83)	-	?	#	#	#	#	#	#
303	148	182	**STACKELBERGINA** (1)	-	-	#	#	-	-	-	-
304	149	183	**STICTOCLADIUS** (18)	-	#	#	-	-	-	#	-
305	150	184	**STILOCLADIUS** (6)	-	-	#	#	-	-	-	-
306	151	185	**SUBLETTIELLA** (1)	-	-	#	-	-	-	-	-
307	152	186	**SYMBIOCLADIUS** (6)	-	#	#	#	-	-	#	-
308		187	Subg. **ACLETIUS** (3)	-	#	-	-	-	-	#	-
309		188	Subg. **SYMBIOCLADIUS** (3)	-	-	#	#	-	-	-	-
310	153	189	**SYNORTHOCLADIUS** (8)	-	#	#	#	#	#	#	-

TABLE 4 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Gen	G&S									
311	154	190	**TAVASTIA** (5)	-	-	#	#	-	-	-	-
312	155	191	**TEMPISQUITONEURA** (1)	-	#	#	-	-	-	-	-
313	156	192	**TETHYMYIA** (1)	-	-	#	-	-	-	-	-
314	157	193	**THALASSOSMITTIA** (10)	-	#	#	#	#	-	-	-
315	158	194	**THIENEMANNIA** (8)	-	-	#	#	-	#	-	-
316	159	195	**THIENEMANNIELLA** (49)	-	#	#	#	#	#	#	#
317	160	196	**TOKUNAGAIA** (54)	-	-	#	#	-	#	-	-
318	161	197	**TOKYOBRILLIA** (2)	-	-	-	#	#	#	-	-
219	162	198	**TONEGAYUSURIKA** (1)	-	-	-	#	-	-	-	-
320	163	199	**TONNOIROCLADIUS** (1)	-	-	-	-	-	-	#	-
321	164	200	**TRICHOCHILUS** (1)	-	-	#	-	-	-	-	-
322	165	201	**TRICHOSMITTIA** (2)	-	-	-	#	-	-	-	-
323	166	202	**TRISSOCLADIUS** (2)	-	-	-	#	-	-	-	-
324	167	203	**TRONDIA** (1)	-	-	-	-	-	-	#	-
325	168	204	**TSUDAYUSURIKA** (4)	-	-	-	#	-	#	-	-
326	169	205	**TVETENIA** (23)	-	-	#	#	#	#	-	-
327	170	206	**UBATUBANEURA** (1)	-	#	-	-	-	-	-	-
328	171	207	**UNNIELLA** (1)	-	-	#	-	-	-	-	-
329	172	208	**VIVACRICOTOPUS** (3)	-	-	#	#	-	-	-	-
330	173	209	**XYLOTOPUS** (3)	-	-	#	-	-	#	-	-
331	174	210	**ZALUTSCHIA** (15)	-	-	#	#	-	-	-	-
			Valid Generically Unplaced (40)	-	#	-	#	#	#	#	#

TABLE 5. Numbers of valid species known for all genus-group taxa by zoogeographical region and the total for the subfamily Orthocladiinae for each region.
Total = Running total for all genus-group taxa (continued from Part 1).
Gen = Running total for valid genera in each subfamily.
G&S = Running total for valid genus-group names (genera & subgenera) in each subfamily.
 # = Confirmed Genus/Subgenus record; ® = Record requires confirmation.

Total	Gen	G&S	ORTHOCLADIINAE (174)	AN	NT	NE	PA	AF	OR	AU	OC
122	1	1	AAGAARDIA (5)	-	-	2	4	-	-	-	-
123	2	2	ABISKOMYIA (2)	-	-	1	2	-	-	-	-
124	3	3	ACAMPTOCLADIUS (3)	-	-	1	2	-	-	-	-
125	4	4	ACRICOTOPUS (6)	-	-	2	5	-	2	-	-
126	5	5	AGURAYUSURIKA (1)	-	-	-	1	-	-	-	-
127	6	6	ALLOCLADIUS (25)	-	6	2	8	9	2	1	-
128	7	7	ALLOMETRIOCNEMUS (2)	-	-	-	-	-	-	2	-
129	8	8	ALLOTRISSOCLADIUS (2)	-	-	-	-	-	1	1	-
130	9	9	AMPHISMITTIA (1)	-	-	-	1	-	-	-	-
131	10	10	ANTILLOCLADIUS (28)	-	21	3	2	-	5	-	-
132	11	11	ANZACLADIUS (3)	-	-	-	-	-	-	3	-
133	12	12	APOMETRIOCNEMUS (2)	-	-	1	1	-	-	-	-
134	13	13	ARCTOSMITTIA (1)	-	-	-	1	-	-	-	-
135	14	14	ASCLERINA (1)	-	-	-	-	-	1	-	-
136	15	15	AUSTROBRILLIA (3)	-	2	-	-	-	-	1	-
137	16	16	AUSTROCLADIUS (9)	-	5	-	-	-	-	4	-
138	17	17	BAEOCTENUS (3)	-	-	1	2	-	-	-	-
139	18	18	BARBADOCLADIUS (2)	-	2	-	-	-	-	-	-
140	19	19	BAVARISMITTIA (1)	-	-	-	1	-	-	-	-
141	20	20	BELGICA (2)	2	-	-	-	-	-	-	-
142	21	21	BOREOSMITTIA (8)	-	-	-	8	-	-	-	-
143	22	22	BOTRYOCLADIUS (13)	-	4	-	-	-	-	9	-
144	23	23	BRILLIA (15)	-	-	5	8	-	4	-	1
145	24	24	BRYOPHAENOCLADIUS (115)	-	5	17	80	13	11	#	-
146	25	25	CAMPTOCLADIUS (1)	-	-	1	1	-	-	1	-
147	26	26	CARDIOCLADIUS (19)	-	3	4	5	4	3	1	-
148	27	27	CHAETOCLADIUS (58)	-	-	6	51	2	5	-	-
149		28	Subg. AMBLYCLADIUS (1)	-	-	-	[1]	-	-	-	-
150		29	Subg. CHAETOCLADIUS (57)	-	-	[6]	[50]	[2]	[5]	-	-
151	28	30	CHASMATONOTUS (14)	-	-	8	6	-	-	-	-
152	29	31	CLUNIO (25)	-	6	2	10	3	3	2	6
153	30	32	COLOSMITTIA (3)	-	2	-	-	1	-	-	-
154	31	33	COMPTEROSMITTIA (12)	-	5	1	4	-	1	2	1
155	32	34	CORYNONEURA (73)	-	10	10	41	3	15	4	#

TABLE 5 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Gen	G&S									
156	33	35	**CORYNONEURELLA** (2)	-	-	-	1	1	-	-	-
157	34	36	**CRICOTOPUS** (218)	-	22	64	118	18	28	9	5
158		37	Subg. **CRICOTOPUS** (124)	-	[10]	[41]	[78]	[7]	[8]	[9]	[5]
159		38	Subg. **ISOCLADIUS** (42)	-	[1]	[13]	[30]	-	[9]	#	-
160		39	Subg. **MAURIUS** (1)	-	-	-	-	[1]	-	-	-
161		40	Subg. **NOSTOCOCLADIUS** (5)	-	-	[2]	[3]	-	-	-	-
162		41	Subg. **PSEUDOCRICOTOPUS** (7)	-	-	[1]	[6]	-	[1]	-	-
			CRICOTOPUS ?Subgenus (39)	-	[11]	[7]	[1]	[10]	[10]	-	-
163	35	42	**DIPLOCLADIUS** (1)	-	1	1	1	-	-	-	-
164	36	43	**DIPLOSMITTIA** (9)	-	8	1	-	-	-	-	-
165	37	44	**DOITHRIX** (12)	-	-	6	3	2	1	-	-
166	38	45	**DOLOPLASTUS** (1)	-	-	-	-	-	-	1	-
167	39	46	**DONCRICOTOPUS** (2)	-	-	1	2	-	-	-	-
168	40	47	**DRATNALIA** (1)	-	-	-	1	-	-	-	-
169	41	48	**ECHINOCLADIUS** (1)	-	-	-	-	-	-	1	-
170	42	49	**EDWARDSIDIA** (2)	-	2	-	-	-	-	-	-
171	43	50	**ELPISCLADIUS** (1)	-	-	-	-	1	-	-	-
172	44	51	**EPOICOCLADIUS** (3)	-	-	1	3	-	#	-	-
173	45	52	**ERETMOPTERA** (2)	1	-	1	-	-	-	-	-
174	46	53	**EUKIEFFERIELLA** (84)	-	#	9	64	3	11	4	2
175	47	54	**EURYCNEMUS** (2)	-	-	-	2	-	-	-	-
176	48	55	**EURYHAPSIS** (7)	-	-	3	6	-	-	-	-
177	49	56	**FERRINGTONIA** (2)	-	2	-	-	-	-	-	-
178	50	57	**FREEMANIELLA** (1)	-	-	-	-	1	-	-	-
179	51	58	**GEORTHOCLADIUS** (10)	-	#	5	3	2	-	-	-
180		59	Subg. **ATELOPODELLA** (1)	-	-	[1]	-	-	-	-	-
181		60	Subg. **GEORTHOCLADIUS** (9)	-	#	[4]	[3]	[2]	-	-	-
182	52	61	**GRAVATAMBERUS** (5)	-	5	-	-	-	-	-	-
183	53	62	**GUNMAYUSURIKA** (1)	-	-	-	1	-	-	-	-
184	54	63	**GYMNOMETRIOCNEMUS** (15)	-	2	2	8	2	-	3	-
185		64	Subg. **GYMNOMETRIOCNEMUS** (11)	-	[2]	[1]	[4]	[2]	-	[3]	-
186		65	Subg. **RAPHIDOCLADIUS** (4)	-	-	[1]	[4]	-	-	-	-
187	55	66	**GYNNIDOCLADIUS** (1)	-	-	-	-	-	-	1	-
188	56	67	**GYNOCLADIUS** (1)	-	1	-	-	-	-	-	-
189	57	68	**HALOCLADIUS** (6)	-	-	1	6	-	-	-	-
190		69	Subg. **HALOCLADIUS** (5)	-	-	[1]	[5]	-	-	-	-
191		70	Subg. **PSAMMOCLADIUS** (1)	-	-	-	[1]	-	-	-	-
192	58	71	**HANOCLADIUS** (1)	-	-	-	-	-	1	-	-
193	59	72	**HELENIELLA** (11)	-	-	3	7	-	4	-	-
194	60	73	**HETEROTANYTARSUS** (4)	-	-	2	2	-	-	-	-

TABLE 5 contd Total	Gen	G&S	ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
195	61	74	**HETEROTRISSOCLADIUS** (22)	-	-	9	12	-	6	-	-
196	62	75	**HEVELIUS** (1)	-	-	-	-	-	-	1	-
197	63	76	**HYDROBAENUS** (43)	-	-	15	35	-	-	-	-
198	64	77	**HYDROSMITTIA** (13)	-	-	4	8	4	-	-	-
199	65	78	**ICHTHYOCLADIUS** (3)	-	3	-	-	-	-	-	-
200	66	79	**INDOCLADIUS** (1)	-	-	-	-	-	1	-	-
201	67	80	**IONTHOSMITTIA** (2)	-	-	-	1	1	-	-	-
202	68	81	**IPORANGOMBERUS** (1)	-	1	-	-	-	-	-	-
203	69	82	**IRISOBRILLIA** (1)	-	1	-	-	-	-	-	-
204	70	83	**KANIWHANIWHANUS** (1)	-	-	-	-	-	-	1	-
205	71	84	**KIEFFEROPHYES** (3)	-	-	-	-	-	-	3	-
206	72	85	**KNEPPERIA** (1)	-	-	-	-	1	-	-	-
207	73	86	**KRENOSMITTIA** (20)	-	-	1	17	2	2	-	-
208	74	87	**KUSCHELIUS** (1)	-	-	-	-	-	-	1	-
209	75	88	**LAPPOKIEFFERIELLA** (1)	-	-	1	1	-	-	-	-
210	76	89	**LAPPOSMITTIA** (1)	-	-	#	1	-	-	-	-
211	77	90	**LERHEIMIA** (4)	-	-	-	-	4	-	-	-
212	78	91	**LIMNOPHYES** (90)	1	7	16	64	4	17	1	-
213	79	92	**LIPUROMETRIOCNEMUS** (2)	-	1	1	-	-	-	-	-
214	80	93	**LITOCLADIUS** (5)	-	5	-	-	-	-	-	-
215	81	94	**LOBOSMITTIA** (3)	-	-	-	1	1	1	-	-
216	82	95	**LOPESCLADIUS** (8)	-	6	3	-	-	-	-	-
217		96	Subg. **CORDIELLA** (4)	-	[3]	[1]	-	-	-	-	-
218		97	Subg. **LOPESCLADIUS** (4)	-	[3]	[2]	-	-	-	-	-
			LOPESCLADIUS ?Subgenus	-	#	#	-	-	-	-	-
219	83	98	**LYROCLADIUS** (2)	-	2	-	-	-	-	-	-
220	84	99	**MARYELLA** (1)	-	-	-	-	-	-	1	-
221	85	100	**MAXIMBERUS** (1)	-	1	-	-	-	-	-	-
222	86	101	**MECAORUS** (1)	-	-	-	-	-	-	1	-
223	87	102	**MESOCRICOTOPUS** (2)	-	-	2	1	-	-	-	-
224	88	103	**MESOSMITTIA** (18)	-	8	7	6	3	1	-	-
225	89	104	**METRIOCNEMUS** (67)	-	7	16	39	6	12	1	-
226		105	Subg. **CRYMALEOMYIA** (1)	-	-	-	-	-	[1]	-	-
227		106	Subg. **INERMIPUPA** (1)	-	-	-	[1]	-	-	-	-
228		107	Subg. **METRIOCNEMUS** (65)	-	[7]	[16]	[38]	[6]	[11]	[1]	-
229	90	108	**MIAMBERA** (1)	-	1	-	-	-	-	-	-
230	91	109	**MOLLERIELLA** (1)	-	-	-	1	-	-	-	-
231	92	110	**MURRAYCLADIUS** (1)	-	-	-	-	-	1	-	-
232	93	111	**NAKATAIA** (1)	-	-	-	-	-	-	1	-
233	94	112	**NANOCLADIUS** (34)	-	1	13	16	7	5	#	#

TABLE 5 contd Total	Gen	G&S	ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
234		113	Subg. **NANOCLADIUS** (30)	-	#	[10]	[15]	[7]	[4]	#	#
235		114	Subg. **PLECOPTERACOLUTHUS** (4)	-	[1]	[3]	[1]	-	[1]	-	-
236	95	115	**NAONELLA** (2)	-	-	-	-	-	-	2	-
237	96	116	**NASUTICLADIUS** (7)	-	-	-	-	-	2	5	-
238	97	117	**NEOBRILLIA** (2)	-	-	-	2	-	1	-	-
239	98	118	**NESIOCLADIUS** (1)	-	-	-	-	-	-	1	-
240	99	119	**NINELIA** (1)	-	-	#	1	-	-	-	-
241	100	120	**NOTOCLADIUS** (1)	-	-	-	-	1	-	-	-
242	101	121	**OKAYAMAYUSURIKA** (1)	-	-	-	1	-	-	-	-
243	102	122	**OLEIA** (7)	-	7	-	-	-	-	-	-
244	103	123	**OLIVEIRIELLA** (2)	-	2	#	-	-	-	-	-
245	104	124	**OLIVERIDIA** (2)	-	-	2	1	-	-	-	-
246	105	125	**ONCONEURA** (7)	-	7	1	-	-	-	-	-
247	106	126	**OREADOMYIA** (1)	-	-	1	-	-	-	-	-
248	107	127	**ORTHOCLADIUS** (142)	-	#	54	104	10	15	-	-
249		128	Subg. **EUDACTYLOCLADIUS** (17)	-	#	[4]	[11]	#	[8]	-	-
250		129	Subg. **EUORTHOCLADIUS** (30)	-	-	[10]	[26]	-	#	-	-
251		130	Subg. **MESORTHOCLADIUS** (7)	-	-	[5]	[6]	-	#	-	-
252		131	Subg. **ORTHOCLADIUS** (62)	-	-	[28]	[48]	-	[3]	-	-
253		132	Subg. **POGONOCLADIUS** (1)	-	-	[1]	[1]	-	-	-	-
254		133	Subg. **SYMPOSIOCLADIUS** (10)	-	-	[6]	[7]	-	[4]	-	-
			ORTHOCLADIUS ?Subgenus (15)	-	-	-	[5]	[10]	-	-	-
255	108	134	**PARACHAETOCLADIUS** (7)	-	-	3	5	-	-	-	-
256	109	135	**PARACLADIUS** (9)	-	#	3	7	-	3	-	-
257	110	136	**PARACRICOTOPUS** (12)	-	-	3	6	-	3	-	-
258	111	137	**PARADOXOCLADIUS** (1)	-	-	-	-	1	-	-	-
259	112	138	**PARAKIEFFERIELLA** (43)	-	4	7	32	4	3	#	#
260	113	139	**PARALIMNOPHYES** (5)	-	-	1	2	-	1	2	-
261	114	140	**PARAMETRIOCNEMUS** (33)	-	#	5	18	4	6	1	1
262	115	141	**PARAPHAENOCLADIUS** (25)	-	1	9	19	3	3	-	1
263	116	142	**PARAPSECTROCLADIUS** (4)	-	4	-	-	-	-	-	-
264	117	143	**PARASMITTIA** (2)	-	-	1	2	-	-	-	-
265	118	144	**PARATRICHOCLADIUS** (27)	-	#	3	19	3	5	1	-
266	119	145	**PARATRISSOCLADIUS** (3)	-	-	1	1	1	1	-	-
267	120	146	**PARORTHOCLADIUS** (7)	-	-	#	5	#	2	-	-
268	121	147	**PAULFREEMANIA** (1)	-	-	-	-	-	-	1	-
269	122	148	**PETALOCLADIUS** (1)	-	1	-	-	-	-	-	-
270	123	149	**PHYSONEURA** (4)	-	4	-	-	-	-	-	-
271	124	150	**PHYTOTELMATOCLADIUS** (1)	-	1	1	-	-	-	-	-
272	125	151	**PIRARA** (3)	-	1	-	-	-	-	2	-

TABLE 5 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Gen	G&S									
273	126	152	**PLATYSMITTIA** (2)	-	-	2	1	-	-	-	-
274	127	153	**PLHUDSONIA** (2)	-	-	1	1	-	-	-	-
275	128	154	**PROPSILOCERUS** (9)	-	-	#	8	-	2	-	-
276	129	155	**PROSMITTIA** (15)	-	-	-	15	-	-	-	-
277	130	156	**PSECTROCLADIUS** (62)	-	#	22	48	1	1	-	-
278		157	Subg. **ALLOPSECTROCLADIUS** (8)	-	-	[4]	[5]	-	-	-	-
279		158	Subg. **MESOPSECTROCLADIUS** (2)	-	-	-	[2]	-	-	-	-
280		159	Subg. **MONOPSECTROCLADIUS** (2)	-	-	[1]	[2]	-	-	-	-
281		160	Subg. **PSECTROCLADIUS** (46)	-	#	[15]	[37]	[1]	[1]	-	-
			PSECTROCLADIUS ?Subgenus (4)	-	-	[2]	[2]	-	-	-	-
282	131	161	**PSEUDORTHOCLADIUS** (52)	-	-	17	34	2	5	-	-
283		162	Subg. **LORDELLA** (1)	-	-	[1]	-	-	-	-	-
284		163	Subg. **PSEUDORTHOCLADIUS** (51)	-	-	[16]	[34]	[2]	[5]	-	-
285	132	164	**PSEUDOSMITTIA** (93)	-	23	18	25	17	12	13	15
286	133	165	**PSILOMETRIOCNEMUS** (2)	-	-	1	1	-	-	-	-
287	134	166	**PTEROSIS** (1)	-	-	-	-	-	-	1	-
288	135	167	**QINIELLA** (3)	-	-	-	1	-	2	-	-
289	136	168	**RHAGOSMITTIA** (1)	-	-	-	-	-	-	-	1
290	137	169	**RHEOCRICOTOPUS** (70)	-	1	11	37	3	26	#	-
291		170	Subg. **PSILOCRICOTOPUS** (47)	-	1	[4]	[21]	[3]	[21]	#	-
292		171	Subg. **RHEOCRICOTOPUS** (23)	-	-	[7]	[16]	-	[5]	-	-
			RHEOCRICOTOPUS ?Subgenus	-	#	-	-	-	#	#	-
293	138	172	**RHEOSMITTIA** (5)	-	-	1	5	-	#	-	-
294	139	173	**RHINOCLADIUS** (3)	-	2	-	-	-	-	1	-
295	140	174	**SAETHERIELLA** (1)	-	-	1	-	-	-	-	-
296	141	175	**SAETHEROCLADIUS** (5)	-	5	-	-	-	-	-	-
297	142	176	**SAETHEROCRYPTUS** (2)	-	2	-	-	-	-	-	-
298	143	177	**SAETHEROLABIS** (3)	-	3	-	-	-	-	-	-
299	144	178	**SAETHEROPS** (1)	-	1	-	-	-	-	-	-
300	145	179	**SASACRICOTOPUS** (1)	-	-	-	1	-	-	-	-
301	146	180	**SEMIOCLADIUS** (6)	-	-	-	1	1	-	5	2
302	147	181	**SMITTIA** (83)	-	?	14	59	8	7	3	1
303	148	182	**STACKELBERGINA** (1)	-	-	1	1	-	-	-	-
304	149	183	**STICTOCLADIUS** (18)	-	11	#	-	-	-	7	-
305	150	184	**STILOCLADIUS** (6)	-	-	1	5	-	-	-	-
306	151	185	**SUBLETTIELLA** (1)	-	-	1	-	-	-	-	-
307	152	186	**SYMBIOCLADIUS** (6)	-	2	2	1	-	-	1	-
308		187	Subg. **ACLETIUS** (3)	-	[2]	-	-	-	-	[1]	-
309		188	Subg. **SYMBIOCLADIUS** (3)	-	-	[2]	[1]	-	-	-	-
310	153	189	**SYNORTHOCLADIUS** (8)	-	#	1	6	1	1	#	-

TABLE 5 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Gen	G&S									
311	154	190	TAVASTIA (5)	-	-	2	3	-	-	-	-
312	155	191	TEMPISQUITONEURA (1)	-	1	1	-	-	-	-	-
313	156	192	TETHYMYIA (1)	-	-	1	-	-	-	-	-
314	157	193	THALASSOSMITTIA (10)	-	#	3	6	1	-	-	-
315	158	194	THIENEMANNIA (8)	-	-	1	5	-	3	-	-
316	159	195	THIENEMANNIELLA (49)	-	4	9	28	6	16	#	2
317	160	196	TOKUNAGAIA (54)	-	-	3	49	-	5	-	-
318	161	197	TOKYOBRILLIA (2)	-	-	-	1	1	1	-	-
219	162	198	TONEGAYUSURIKA (1)	-	-	-	1	-	-	-	-
320	163	199	TONNOIROCLADIUS (1)	-	-	-	-	-	-	1	-
321	164	200	TRICHOCHILUS (1)	-	-	1	-	-	-	-	-
322	165	201	TRICHOSMITTIA (2)	-	-	-	2	-	-	-	-
323	166	202	TRISSOCLADIUS (2)	-	-	-	2	-	-	-	-
324	167	203	TRONDIA (1)	-	-	-	-	-	-	1	-
325	168	204	TSUDAYUSURIKA (4)	-	-	-	2	-	2	-	-
326	169	205	TVETENIA (23)	-	-	4	20	#	2	-	-
327	170	206	UBATUBANEURA (1)	-	1	-	-	-	-	-	-
328	171	207	UNNIELLA (1)	-	-	1	-	-	-	-	-
329	172	208	VIVACRICOTOPUS (3)	-	-	1	3	-	-	-	-
330	173	209	XYLOTOPUS (3)	-	-	1	-	-	2	-	-
331	174	210	ZALUTSCHIA (15)	-	-	10	8	-	-	-	-
			Valid Generically Unplaced (40)	-	14	-	7	1	9	3	7
			Total	4	260	482	1287	167	286	112	45

TABLE 6. List of all valid taxa (in bold) and known zoogeographical distribution of all species. Total = Running total for all species continued from Part 1; Subf. = Running total for subfamily Orthocladiinae; Gen = Running total for each genus. After subfamily name Orthocladiinae the number of genera is given in bold; each genus/subgenus name is followed by the number of species.
 # = Confirmed Genus/Subgenus record; 1 or [ss] = confirmed species or subspecies record; § = Unnamed species record; ® = Record requires confirmation; ? = Doubtful record

Total	Subf	Gen	ORTHOCLADIINAE (174)	AN	NT	NE	PA	AF	OR	AU	OC
			AAGAARDIA (5)	-	-	#	#	-	-	-	-
1025	1	1	**longicalcis**			1					
1026	2	2	**oksanae**				1				
1027	3	3	**protensa**				1				
1028	4	4	**sivertseni**			1	1				
1029	5	5	**triangulata**				1				
			ABISKOMYIA (2)	-	-	#	#	-	-	-	-
1030	6	1	**paravirgo**				1				
1031	7	2	**virgo**			1	1				
			ACAMPTOCLADIUS (3)	-	-	#	#	-	-	-	-
1032	8	1	**dentolatens**			1					
1033	9	2	**reissi**				1				
1034	10	3	**submontanus**				1				
			sp.: Epler			§					
			ACRICOTOPUS (6)	-	-	#	#	-	#	-	-
1035	11	1	**longipalpus**				1		1		
1036	12	2	**lucens**			1	1				
1037	13	3	**maritimus**				1				
1038	14	4	**nitidellus**			1					
1039	15	5	**simplex**				1		1		
1040	16	6	**zhalingensis**				1				
			AGURAYUSURIKA (1)	-	-	-	#	-	-	-	-
1041	17	1	**toganigra**				1				
			ALLOCLADIUS (25)	-	#	#	#	#	#	#	-
1042	18	1	**aizaiensis**						1		
1043	19	2	**arenarius**			1	1				
1044	20	3	**azoricus**				1				
1045	21	4	**bilobulatus**		1						
1046	22	5	**bothnicus**				1				
1047	23	6	**bubatus**					1			
1048	24	7	**caspersi**				1		1		
1049	25	8	**conigerus**					1			

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	ALLOCLADIUS contd								
1050	26	9	deborae					1			
1051	27	10	fortispinatus		1						
1052	28	11	globosus		1						
1053	29	12	hirticaudatus					1			
1054	30	13	jintuoctavus				1				
1055	31	14	longicrus				1				
1056	32	15	lusciniolus					1			
1057	33	16	nanseni			1	1				
1058	34	17	neobilobulatus		1						
1059	35	18	niger					1			
1060	36	19	quadrus		1						
1061	37	20	rectilobus					1			
1062	38	21	salti					1			
1063	39	22	scrotus		1						
1064	40	23	soemmei					1			
1065	41	24	wangorum				1				
1066	42	25	wirthi							1	
			sp. "Chile"		§						
			sp. "Falklands Islands"		§						
			ALLOMETRIOCNEMUS (2)	-	-	-	-	-	-	#	-
1067	43	1	coloensis							1	
1068	44	2	pictus							1	
			ALLOTRISSOCLADIUS (2)	-	-	-	-	-	#	#	-
1069	45	1	acutus						1		
1070	46	2	amphibius							1	
			AMPHISMITTIA (1)	-	-	-	#	-	-	-	-
1071	47	1	yoshiwaensis				1				
			ANTILLOCLADIUS (28)	-	#	#	#	-	#	-	-
1072	48	1	anandae		1						
1073	49	2	antecalvus		1						
1074	50	3	arcuatus		1	1					
1075	51	4	atalaia		1						
1076	52	5	axitiosus		1						
1077	53	6	biota		1						
1078	54	7	brazuca		1						
1079	55	8	calakmulensis		1						
1080	56	9	campususp		1						
1081	57	10	folius		1						
1082	58	11	gephyrus		1						
1083	59	12	herradurus		1						

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	ANTILLOCLADIUS contd								
1084	60	13	itatiaia		1						
1085	61	14	longivirgius						1		
1086	62	15	musci		1						
1087	63	16	plicatus		1						
1088	64	17	pluspilalus		1	1					
1089	65	18	scalpellatus				1		1		
1090	66	19	skartveiti		1						
1091	67	20	sooretama		1						
1092	68	21	subnubilus						1		
1093	69	22	tokarameneus						1		
1094	70	23	ubatuba		1						
1095	71	24	ultimus		1						
1096	72	25	venequatoriensis		1						
1097	73	26	yakyijeus				1				
1098	74	27	zempoalensis			1					
1099	75	28	zhengi						1		
			ANZACLADIUS (3)	-	-	-	-	-	-	#	-
1100	76	1	kangaroo							1	
1101	77	2	kiwi							1	
1102	78	3	numbat							1	
			sp.: Cranston							§	
			sp.: Cranston							§	
			APOMETRIOCNEMUS (2)	-	-	#	#	-	-	-	-
1103	79	1	fontinalis			1					
1104	80	2	japonicus				1				
			ARCTOSMITTIA (1)	-	-	-	#	-	-	-	-
1105	81	1	biserovi				1				
			ASCLERINA (1)	-	-	-	-	-	#	-	-
1106	82	1	nudiclypeata						1		
			AUSTROBRILLIA (3)	-	#	-	-	-	-	#	-
1107	83	1	chilensis		1						
1108	84	2	longipes							1	
1109	85	3	valereissia		1						
			AUSTROCLADIUS (9)	-	#	-	-	-	-	#	-
1110	86	1	barilochensis		1						
1111	87	2	hamulatus		1						
1112	88	3	harrisi							1	
1113	89	4	heterogeneus		1						
1114	90	5	hirtinervis		1						
1115	91	6	numerosus							1	

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	AUSTROCLADIUS contd								
1116	92	7	obliquus		1						
1117	93	8	terjugus							1	
1118	94	9	trichiatus							1	
			BAEOCTENUS (3)	-	-	#	#	-	-	-	-
1119	95	1	bicolor			1					
1120	96	2	sudagaineous				1				
1121	97	3	togaquindecimus				1				
			BARBADOCLADIUS (2)	-	#	-	-	-	-	-	-
1122	98	1	andinus		1						
1123	99	2	limay		1						
			BAVARISMITTIA (1)	-	-	-	#	-	-	-	-
1124	100	1	reissi				1				
			BELGICA (2)	#	-	-	-	-	-	-	-
1125	101	1	albipes	1							
1126	102	2	antarctica	1							
			BOREOSMITTIA (8)	-	-	-	#	-	-	-	-
1127	103	1	aurora				1				
1128	104	2	elevata				1				
1129	105	3	inariensis				1				
1130	106	4	karelioborealis				1				
1131	107	5	khehtsyrika				1				
1132	108	6	seiryuquerea				1				
1133	109	7	siratoriprima				1				
1134	110	8	toganipea				1				
			BOTRYOCLADIUS (13)	-	#	-	-	-	-	#	-
1135	111	1	australoalpinus							1	
1136	112	2	bibulmun							1	
1137	113	3	brindabella							1	
1138	114	4	collessi							1	
1139	115	5	edwardsi		1						
1140	116	6	freemani							1	
1141	117	7	glacialis		1						
1142	118	8	grapeth							1	
1143	119	9	mapuche		1						
1144	120	10	mdfrc							1	
1145	121	11	petrophilus							1	
1146	122	12	tasmania							1	
1147	123	13	tronador		1						
			sp. 1: Cranston & Edward		§						

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	BRILLIA (15)	-	-	#	#	-	#	-	#
1148	124	1	argentituba						1		
1149	125	2	bifasciata				1				
1150	126	3	bifida				1				
1151	127	4	brevicornis						1		
1152	128	5	flavifrons			1	1				
1153	129	6	japonica				1		1		
1154	130	7	kultia						1		
1155	131	8	laculata			1	1				
1156	132	9	longifurca				1				
1157	133	10	ogasaquinta								1
1158	134	11	parva			1					
1159	135	12	pudorosa				1				
1160	136	13	retifinis			1					
1161	137	14	sera			1					
1162	138	15	tonewheia				1				
			BRYOPHAENOCLADIUS (115)	-	#	#	#	#	#	#	-
1163	139	1	aestivus			1	1				
1164	140	2	akiensis				1				
1165	141	3	angustus					1			
1166	142	4	astis			1					
1167	143	5	auritus				1				
1168	144	6	bicolor					1			
1169	145	7	brincki				1	1			
1170	146	8	carolinae		1						
1171	147	9	carus		1						
1172	148	10	chrissichuckorum			1					
1173	149	11	clavatus				1				
1174	150	12	conicus					1			
1175	151	13	cristatus					1			
1176	152	14	cuneiformis				1		1		
1177	153	15	dentatus				1				
1178	154	16	digitatus		1	1					
1179	155	17	distinctus				1				
1180	156	18	doriceni				1				
1181	157	19	emarginatus		1						
1182	158	20	faegrii				1				
1183	159	21	famiijeus				1				
1184	160	22	femineus				1				
1185	161	23	filipes				1				
1186	162	24	flagelligus					1			

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	BRYOPHAENOCLADIUS contd								
1187	163	25	flavoscutellatus			1	1				
1188	164	26	flexidens				1				
1189	165	27	fujidecimus				1				
1190	166	28	fumosinus			1					
1191	167	29	furcatus			1	1				
1192	168	30	humerosus			1					
1193	169	31	ictericus				1				
1194	170	32	ikiheius				1				
1195	171	33	illimbatus				1				
1196	172	34	imberbus					1			
1197	173	35	impectinus			1					
1198	174	36	inawexeus				1				
1199	175	37	inconstans				1				
1200	176	38	iriopequesus						1		
1201	177	39	joganbilobus				1				
1202	178	40	kalengoensis					1			
1203	179	41	kobayashii				1				
1204	180	42	korkishkoi				1				
1205	181	43	kurobeaimotoi				1				
1206	182	44	kurobexpansus				1				
1207	183	45	kurogeheus				1				
1208	184	46	kuroheius				1				
1209	185	47	lacunarum				1				
1210	186	48	lanceolatus				1				
1211	187	49	laticaudus			1					
1212	188	50	longipenis						1		
1213	189	51	manifestus						1		
1214	190	52	matsuoi				1				
1215	191	53	mazumbaiensis					1			
1216	192	54	moneronus				1				
1217	193	55	mongolxeyeus				1				
1218	194	56	muscicola				1				
1219	195	57	nadezhdae				1				
1220	196	58	nidorum				1				
1221	197	59	nigrus				1				
1222	198	60	nitidicollis				1				
1223	199	61	nodosus						1		
1224	200	62	novaesemliae				1				
1225	201	63	nudisquama				1				
1226	202	64	ogasaduodecimus						1		

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	BRYOPHAENOCLADIUS contd								
1227	203	65	oirasextus				1				
1228	204	66	otsurui						1		
1229	205	67	paranudisquama			1					
1230	206	68	paraproductus				1				
1231	207	69	parimberbus				1		1		
1232	208	70	pectinatus				1				
1233	209	71	pichinensis		1						
1234	210	72	piltunensis				1				
1235	211	73	pleuralis			1	1				
1236	212	74	polychaetus			1					
1237	213	75	productus					1			
1238	214	76	propinquus				1		1		
1239	215	77	pseudosetosus				1				
1240	216	78	psilacrus			1	1				
1241	217	79	rostratus				1				
1242	218	80	rotundilobus				1				
1243	219	81	ruwenzoriensis					1			
1244	220	82	saanae				1				
1245	221	83	scanicus				1				
1246	222	84	sclerus			1	?				
1247	223	85	seiryujekeus				1				
1248	224	86	setosus				1				
1249	225	87	simplex			1					
1250	226	88	simplicicoxus				1				
1251	227	89	simus				1				
1252	228	90	spinicaudus					1			
1253	229	91	subparallelus			1	1				
1254	230	92	subvernalis				1				
1255	231	93	sudagaicedus				1				
1256	232	94	tateprimus				1				
1257	233	95	thaleri				1				
1258	234	96	tirolensis				1				
1259	235	97	togafelix				1				
1260	236	98	toganitemus				1				
1261	237	99	toganovus				1				
1262	238	100	togapilosus				1				
1263	239	101	togatenellus				1				
1264	240	102	togatenuis				1				
1265	241	103	trigonus				1				
1266	242	104	tshukoticus				1				

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	BRYOPHAENOCLADIUS contd								
1267	243	105	**tuberculatus**				1				
1268	244	106	**tusimucedeus**				1				
1269	245	107	**tusimudeeus**				1				
1270	246	108	**usambarensis**					1			
1271	247	109	**vernalis**				1				
1272	248	110	**vrangelensis**				1				
1273	249	111	**wufengensis**						1		
1274	250	112	**xanthogyne**				1				
1275	251	113	**xinglongensis**						1		
1276	252	114	**yakyfegeus**				1				
1277	253	115	**yakygeheus**				1				
			sp.: Cranston							§	
			sp. 1: Haase & Nolte							§	
			CAMPTOCLADIUS (1)	-	-	#	#	-	-	#	-
1278	254	1	**stercorarius**			1	1			1	
			CARDIOCLADIUS (19)	-	#	#	#	#	#	#	-
1279	255	1	**africanus**					1			
1280	256	2	**albiplumus**			1					
1281	257	3	**australiensis**							1	
1282	258	4	**brasiliensis**		1						
1283	259	5	**capucinus**				1				
1284	260	6	**ceylanicus**						1		
1285	261	7	**delectus**						1		
1286	262	8	**esakii**				1				
1287	263	9	**freyi**				1				
1288	264	10	**fulvus**			1					
1289	265	11	**fuscus**				1				
1290	266	12	**hessei**					1			
1291	267	13	**latistilus**					1			
1292	268	14	**leoni**				1				
1293	269	15	**nitidus**						1		
1294	270	16	**obscurus**		1	1					
1295	271	17	**oliffi**					1			
1296	272	18	**platypus**			1					
1297	273	19	**travassosi**		1						
			sp.: Roback & Coffman		§						
			sp.: Coffman *et al*.						§		
			sp.: Watson & Heyn		§						
			sp.: Ospina-Torres *et al*.		§						
			sp.: Andersen *et al*.		§						

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	CHAETOCLADIUS (58)	-	-	#	#	#	#	-	-
			Subg. AMBLYCLADIUS (1)	-	-	-	#	-	-	-	-
1298	274	1	subplumosus				1				
			Subg. CHAETOCLADIUS (57)	-	-	#	#	#	#	-	-
1299	275	2	acuminatus				1				
1300	276	3	acuticornis				1				
1301	277	4	adsimilis			1					
1302	278	5	algericus				1				
1303	279	6	amnunnycta				1				
1304	280	7	amurensis				1				
1305	281	8	antipovae				1				
1306	282	9	artistylus						1		
1307	283	10	autumnalis				1				
1308	284	11	awasae					1			
1309	285	12	bilobulatus				1				
1310	286	13	binotatus				1				
1311	287	14	britae				1				
1312	288	15	crassisaetosus				1				
1313	289	16	curvatus						1		
1314	290	17	dentiforceps				1				
1315	291	18	dilatus						1		
1316	292	19	dissipatus				1				
1317	293	20	elegans				1				
1318	294	21	gelidus				1				
1319	295	22	glacialis				1				
1320	296	23	gracilis				1				
1321	297	24	[illegible]ndilobus			1	1				
1322	298	25	gun[illegible]ertia				1				
1323	299	26	hakusanprimus				1				
1324	300	27	holmgreni			1	1				
1325	301	28	insolitus				1				
1326	302	29	insularis				1				
1327	303	30	ketoiensis				1				
1328	304	31	laminatus				1				
1329	305	32	ligni			1	1				
1330	306	33	longivirgatus				1				
1331	307	34	maeaeri				1				
1332	308	35	magnalobus				1				
1333	309	36	makarchenkovi				1				
1334	310	37	melaleucus				1	1			
1335	311	38	minutissimus				1				

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	CHAETOCLADIUS contd								
			Subg. CHAETOCLADIUS contd								
1336	312	39	mongolveweus				1				
1337	313	40	muliebris				1				
1338	314	41	nudisquamus				1				
1339	315	42	orientalis						1		
1340	316	43	otujiprimus				1				
1341	317	44	oyabevenustus				1				
1342	318	45	perennis			1	1				
1343	319	46	piger			1	1				
1344	320	47	pseudoligni				1				
1345	321	48	rusticus				1				
1346	322	49	shouangulatus				1				
1347	323	50	suecicus				1				
1348	324	51	tenuiflexus						1		
1349	325	52	tenuistylus				1				
1350	326	53	togaconfusus				1				
1351	327	54	toganomalis				1				
1352	328	55	togatriangulatus				1				
1353	329	56	unicus				1				
1354	330	57	variabilis				1				
1355	331	58	vitellinus				1				
			CHASMATONOTUS (14)	-	-	#	#	-	-	-	-
1356	332	1	akanseptimus				1				
1357	333	2	atripes			1					
1358	334	3	bicolor			1					
1359	335	4	bimaculatus			1					
1360	336	5	brevicornis				1				
1361	337	6	fascipennis			1					
1362	338	7	furfurosus				1				
1363	339	8	hyalinus			1					
1364	340	9	maculipennis			1					
1365	341	10	parabicolor				1				
1366	342	11	saigusai				1				
1367	343	12	unilobus				1				
1368	344	13	unimaculatus			1					
1369	345	14	univittatus			1					
			CLUNIO (25)	-	#	#	#	#	#	#	#
1370	346	1	africanus					1			
1371	347	2	aquilonius				1				
1372	348	3	balticus				1				

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	CLUNIO contd								
1373	349	4	brasiliensis		1						
1374	350	5	brevis								1
1375	351	6	californiensis			1					
1376	352	7	chilensis		1						
1377	353	8	fuscipennis		1						
1378	354	9	gerlachi					1			
1379	355	10	jonesi					1			
1380	356	11	littoralis								1
1381	357	12	marinus				1				
1382	358	13	marshalli		1	1					
1383	359	14	martini							1	
1384	360	15	mediterraneus				1				
1385	361	16	pacificus				1		1	1	1
1386	362	17	ponticus				1				
1387	363	18	purpureus				1				
1388	364	19	schmitti		1						
1389	365	20	setoensis				1		1		
1390	366	21	takahashii				1		1		
1391	367	22	tsushimaensis				1				1
1392	368	23	tuthilli								1
1393	369	24	vagans								1
1394	370	25	virginianus		1						
			sp.: Coffman *et al*.						§		
			COLOSMITTIA (3)	-	#	-	-	#	-	-	-
1395	371	1	anamariae		1						
1396	372	2	brasileira		1						
1397	373	3	clavata					1			
			COMPTEROSMITTIA (12)	-	#	#	#	-	#	#	#
1398	374	1	aberrans		1						
1399	375	2	berui		1						
1400	376	3	croizati		1						
1401	377	4	dentispina		1						
1402	378	5	nerius			1				?	?
1403	379	6	oyabelurida				1				
1404	380	7	pectinata							1	
1405	381	8	pittieri		1						
1406	382	9	togalimea				1				
1407	383	10	tsujii				1				
1408	384	11	tuberculifera							1	1
1409	385	12	virga				1		1		

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	CORYNONEURA (73)	-	#	#	#	#	#	#	#
1410	386	1	arctica			1	1				
1411	387	2	aurora				1				
1412	388	3	australiensis							1	
1413	389	4	brundini				1				
1414	390	5	carinata						1		
1415	391	6	carriana				1				
1416	392	7	celeripes			1	1				
1417	393	8	celtica				1				
1418	394	9	centromedia						1		
1419	395	10	chandertali						1		
1420	396	11	collaris				1				
1421	397	12	confidens						1		
1422	398	13	coronata				1				
1423	399	14	cristata					1			
1424	400	15	cuspis				1				
1425	401	16	cylindricauda				1				
1426	402	17	dewulfi					1			
1427	403	18	diara			1					
1428	404	19	doriceni				1				
1429	405	20	edwardsi				1				
1430	406	21	elongata					1			
1431	407	22	ferelobata		1						
1432	408	23	fittkaui			1	1				
1433	409	24	fortispicula		1						
1434	410	25	fujiundecima				1				
1435	411	26	gratias				1				
1436	412	27	gynocera				1				
1437	413	28	hermanni		1						
1438	414	29	hirvenojai		1						
1439	415	30	imperfecta							1	
1440	416	31	inawapequea				1				
1441	417	32	incidera						1		
1442	418	33	inefligiata				1				
1443	419	34	isigaheia						1		
1444	420	35	kadalinka				1				
1445	421	36	kedrovaya			1	1				
1446	422	37	kibunelata				1				
1447	423	38	kibunespinosa				1				
1448	424	39	kisogawa				1				
1449	425	40	korema						1		

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	CORYNONEURA contd								
1450	426	41	lacustris			1	1				
1451	427	42	lahuli						1		
1452	428	43	latusatra						1		
1453	429	44	lobata			1	1				
1454	430	45	longipennis				1				
1455	431	46	macdonaldi						1		
1456	432	47	magna				1				
1457	433	48	makarchenkorum				1				
1458	434	49	marina				1				
1459	435	50	mediaspicula		1						
1460	436	51	medicina						1		
1461	437	52	mineira		1						
1462	438	53	nankaiensis				1				
1463	439	54	nasuticeps						1		
1464	440	55	oxfordana			1					
1465	441	56	postcinctura							1	
1466	442	57	prima			1	1				
1467	443	58	prominens						1		
1468	444	59	schleei				1				
1469	445	60	scutellata		1	1	1			1	
1470	446	61	secunda				1				
1471	447	62	seiryuresea				1				
1472	448	63	septadentata		1						
1473	449	64	sertaodaquina		1						
1474	450	65	sorachibecea				1				
1475	451	66	sundukovi				1				
1476	452	67	tenuistyla				1				
1477	453	68	tertia				1				
1478	454	69	tokarapequea						1		
1479	455	70	tokaraquerea						1		
1480	456	71	unicapsulata		1						
1481	457	72	vittalis				1				
1482	458	73	yoshimurai				1				
			sp.: Hardy								§
			"n. sp. near *lacustris* Edw."		§						
			sp.: Ashe						§		
			sp.: Ospina-Torres *et al*.		§						
			sp. 1: Haase & Nolte							§	
			CORYNONEURELLA (2)	-	-	-	#	#	-	-	-
1483	459	1	afra					1			

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	CORYNONEURELLA contd								
1484	460	2	paludosa				1				
			CRICOTOPUS (218)	-	#	#	#	#	#	#	#
			Subg. CRICOTOPUS (124)	-	#	#	#	#	#	#	#
1485	461	1	abanus			1					
1486	462	2	aberrans		1						
1487	463	3	absurdus			1					
1488	464	4	adentatus						1		
1489	465	5	albiforceps			1	1				
1490	466	6	albitibia					1			
1491	467	7	algarum				1				
1492	468	8	annulator			1	1				
1493	469	9	annuliventris							1	
1494	470	10	asamaquartus				1				
1495	471	11	aucklandensis							1	
1496	472	12	baptistensis			1					
1497	473	13	beckeri				1				
1498	474	14	beringensis			1	1				
1499	475	15	bicinctus		1	1	1				1
1500	476	16	bifascius				1				
1501	477	17	bimaculatus				1		1		
1502	478	18	biwannulatus				1				
1503	479	19	bizonatus					1			
1504	480	20	blinni			1					
1505	481	21	breviantennatum				1				
1506	482	22	brevilobus				1				
1507	483	23	caducus				1				
1508	484	24	canditibia		1						
1509	485	25	cingulatus							1	
1510	486	26	conformis		1						
1511	487	27	coronatus			1	1				
1512	488	28	cumulatus			1	1				
1513	489	29	curtus			1	1				
1514	490	30	cylindraceus			1	1				
1515	491	31	dentatus						1		
1516	492	32	elegans			1					
1517	493	33	ephippium			1	1				
1518	494	34	festivellus			1	1				
1519	495	35	flavibasalis				1				
1520	496	36	flavipunctatus				1				
1521	497	37	flavocinctus			1	1				

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	CRICOTOPUS contd								
			Subg. CRICOTOPUS contd								
1522	498	38	flavozonatus					1			
1523	499	39	fugax			1					
1524	500	40	fuscus			1	1				
1525	501	41	gelidus			1	1				
1526	502	42	globistylus			1					
1527	503	43	gressitti							1	1
1528	504	44	guttatus				1				
1529	505	45	harrisoni					1			
1530	506	46	herrmanni			1					
1531	507	47	hirvenojae					1			
1532	508	48	hollyfordensis							1	
1533	509	49	ikigeheus				1				
1534	510	50	inawalemeus				1				
1535	511	51	inawameneus				1				
1536	512	52	infuscatus			1	1				
1537	513	53	jintuduodecimus				1				
1538	514	54	jogantertius				1		1		
1539	515	55	kisobimaculatus				1				
1540	516	56	lavaderos		1						
1541	517	57	levantinus				1				
			levantinus subsp. levantinus				[ss]				
			levantinus subsp. occidentalis				[ss]				
1542	518	58	lestralis			1	1				
1543	519	59	luciae			1					
1544	520	60	mackenziensis			1					
1545	521	61	macraei			1					
1546	522	62	magus				1				
1547	523	63	metatibialis				1				
1548	524	64	mongolpequeus				1				
1549	525	65	mongolquereus				1				
1550	526	66	nalus		1						
1551	527	67	nevadensis				1				
1552	528	68	nudisquamus		1						
1553	529	69	ogasaseptimus								1
1554	530	70	ogasasextus								1
1555	531	71	osaruquartus				1				
1556	532	72	pallidipes				1				
1557	533	73	parametatibialis				1				
1558	534	74	patens			1	1				

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	CRICOTOPUS contd								
			Subg. CRICOTOPUS contd								
1559	535	75	pedatus			1					
1560	536	76	pilidorsum				1				
1561	537	77	pilocapsulus		1						
1562	538	78	pilosellus			1	1				
1563	539	79	pirifer				1				
1564	540	80	planus							1	
1565	541	81	polaris			1	1				
1566	542	82	politus			1					
1567	543	83	polyannulatus				1		1		
1568	544	84	pseudopolitus				1				
1569	545	85	pulchripes			1	1				
1570	546	86	pyrus						1		
1571	547	87	quadrizonatus								1
1572	548	88	reissi				1				
1573	549	89	rincon		1						
1574	550	90	sabroskyi							1	
1575	551	91	salinophilus				1				
1576	552	92	samargaensis				1				
1577	553	93	scottae					1			
1578	554	94	seiryubeceus				1				
1579	555	95	septentrionalis				1				
1580	556	96	similis				1		1		
1581	557	97	slossonae			1	1				
1582	558	98	sudagaibeceus				1				
1583	559	99	tamapullus				1				
1584	560	100	tamasimplex				1				
1585	561	101	tanis		1						
1586	562	102	tibialis			1	1				
1587	563	103	togacutus				1				
1588	564	104	togapediformis				1				
1589	565	105	togaspadix				1				
1590	566	106	tokunagai				1				
1591	567	107	tremulus			1	1				
1592	568	108	triannulatus			1	1				
1593	569	109	trifascia			1	1		1		
1594	570	110	trilobatus				1				
1595	571	111	trilobus			1					
1596	572	112	tristis			1	1				
1597	573	113	tshukoticus				1				

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	CRICOTOPUS contd								
			Subg. CRICOTOPUS contd								
1598	574	114	tusimodeeus				1				
1599	575	115	unizonatus					1			
1600	576	116	varipes			1					
1601	577	117	vierriensis			1	1				
1602	578	118	villosus				1				
1603	579	119	vincenti							1	
1604	580	120	yatabensis				1				
1605	581	121	yoshimurai				1				
1606	582	122	yunoquintus				1				
1607	583	123	zavreli				1				
1608	584	124	zealandicus							1	
			sp.: Ashe						§		
			Subg. ISOCLADIUS (42)	-	#	#	#	-	#	#	-
1609	585	125	amurensis				1				
1610	586	126	anatolii				1				
1611	587	127	anomalus						1		
1612	588	128	arcuatus				1				
1613	589	129	ateritarsus						1		
1614	590	130	brevipalpis				1				
1615	591	131	brunettii						1		
1616	592	132	dobroginus				1				
1617	593	133	flavibasis			1					
1618	594	134	flavipes			1					
1619	595	135	glacialis				1				
1620	596	136	hoffrichteri						1		
1621	597	137	inawaneous				1				
1622	598	138	intersectus			1	1				
1623	599	139	laetus			1	1				
1624	600	140	laricomalis			1	1				
1625	601	141	lebetis			1					
1626	602	142	maurii				1				
1627	603	143	mongolreseus				1				
1628	604	144	myriophylli			1					
1629	605	145	obnixus			?	1				
1630	606	146	obtusus				1				
1631	607	147	ornatus			1	1				
1632	608	148	perniger				1				
1633	609	149	pilicauda				1				
1634	610	150	pilitarsis			1	1				

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	CRICOTOPUS contd								
			Subg. ISOCLADIUS contd								
1635	611	151	reductus				1				
1636	612	152	relucens				1				
1637	613	153	reversus				1				
1638	614	154	shilovae				1				
1639	615	155	spatulicornis						1		
1640	616	156	speciosus				1				
1641	617	157	subletteorum			1					
1642	618	158	suspiciosus				1				
1643	619	159	sylvestris		1	1	1		1		
1644	620	160	taiwanus						1		
1645	621	161	tamannulatus				1				
1646	622	162	tenuisetosus						1		
1647	623	163	tonecedeus				1				
1648	624	164	tricinctus			1	1				
1649	625	165	trifasciatus			1	1		1		
1650	626	166	uresibeceus				1				
			sp.: Cranston & Martin							§	
			sp.: Watson & Heyn		§						
			Subg. MAURIUS (1)	-	-	-	-	#	-	-	-
1651	627	167	kisantuensis					1			
			Subg. NOSTOCOCLADIUS (5)	-	-	#	#	-	-	-	-
1652	628	168	fuscatus			1					
1653	629	169	lygropis				1				
1654	630	170	nostocicola			1					
1655	631	171	seiryuabeus				1				
1656	632	172	shofukuprimus				1				
			Subg. PSEUDOCRICOTOPUS (7)	-	-	#	#	-	#	-	-
1657	633	173	bifurcatus			1					
1658	634	174	matudigitatus				1				
1659	635	175	montanus				1		1		
1660	636	176	nishikiensis				1				
1661	637	177	osarudigitatus				1				
1662	638	178	seiryucedeus				1				
1663	639	179	tamadigitatus				1				
			CRICOTOPUS ?Subgenus (39)	-	#	#	#	#	#	-	-
1664	640	180	albicoma						1		
1665	641	181	argentinensis		1						
1666	642	182	argutus						1		
1667	643	183	atriclavus					1			

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	CRICOTOPUS contd								
			CRICOTOPUS ?Subgenus contd								
1668	644	184	belkini			1					
1669	645	185	bergensis					1			
1670	646	186	brunnicans			1					
1671	647	187	cantus		1						
1672	648	188	carbonarius						1		
1673	649	189	carnosus						1		
1674	650	190	crassimanus		1						
1675	651	191	currani		1						
1676	652	192	debilis		1						
1677	653	193	dibalteatus					1			
1678	654	194	diversus			1					
1679	655	195	eleanatis		1						
1680	656	196	formosanus						1		
1681	657	197	furtivus			1					
1682	658	198	incisus						1		
1683	659	199	javanus						1		
1684	660	200	junus			1					
1685	661	201	nitens						1		
1686	662	202	obscurifuscus			1					
1687	663	203	obscurus					1			
1688	664	204	oris		1						
1689	665	205	ornaticrus		1						
1690	666	206	oryzaephagos				1				
1691	667	207	parafuscatus			1					
1692	668	208	pentazonus						1		
1693	669	209	pictiventris					1			
1694	670	210	purus						1		
1695	671	211	quadrifasciatus					1			
1696	672	212	rodriguensis					1			
1697	673	213	ruber		1						
1698	674	214	setis		1						
1699	675	215	sudanicus					1			
1700	676	216	tricinctellus					1			
1701	677	217	verbekei					1			
1702	678	218	zuelis		1						
			DIPLOCLADIUS (1)	-	#	#	#	-	-	-	-
1703	679	1	cultriger		1	1	1				
			DIPLOSMITTIA (9)	-	#	#	-	-	-	-	-
1704	680	1	aragua		1						

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	DIPLOSMITTIA contd								
1705	681	2	beluina		1						
1706	682	3	boraceia		1						
1707	683	4	carinata			1					
1708	684	5	cerayma		1						
1709	685	6	forficata		1						
1710	686	7	harrisoni		1						
1711	687	8	plaumanni		1						
1712	688	9	recisa		1						
			DOITHRIX (12)	-	-	#	#	#	#	-	-
1713	689	1	amegabei					1			
1714	690	2	barberi			1					
1715	691	3	dillonae			1					
1716	692	4	doriceni				1				
1717	693	5	emeiensis						1		
1718	694	6	ensifer			1					
1719	695	7	fujiseptimus				1				
1720	696	8	hamiltoni			1					
1721	697	9	longipes					1			
1722	698	10	parcivillosa			1					
1723	699	11	togateformis				1				
1724	700	12	villosa			1					
			DOLOPLASTUS (1)	-	-	-	-	-	-	#	-
1725	701	1	monticola							1	
			DONCRICOTOPUS (2)	-	-	#	#	-	-	-	-
1726	702	1	bicaudatus			1	1				
1727	703	2	dentatus				1				
			DRATNALIA (1)	-	-	-	#	-	-	-	-
1728	704	1	potamophylaxi				1				
			ECHINOCLADIUS (1)	-	-	-	-	-	-	#	-
1729	705	1	martini							1	
			EDWARDSIDIA (2)	-	#	-	-	-	-	-	-
1730	706	1	candicans		1						
1731	707	2	philhygra		1						
			ELPISCLADIUS (1)	-	-	-	-	#	-	-	-
1732	708	1	capicola					1			
			EPOICOCLADIUS (3)	-	-	#	#	-	#	-	-
1733	709	1	ephemerae				1				
1734	710	2	flavens			1	1				
1735	711	3	itachisecundus				1				
			sp. 1: Matëna & Soldán						§		

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	EPOICOCLADIUS contd								
			sp. 2: Matëna & Soldán			§					
			sp.: Ashe *et al*.						§		
			sp. 1: Hayashi & Kobayashi				§				
			sp. 2: Hayashi & Kobayashi				§				
			ERETMOPTERA (2)	#	-	#	-	-	-	-	-
1736	712	1	**browni**			1					
1737	713	2	**murphyi**	1							
			EUKIEFFERIELLA (84)	-	#	#	#	#	#	#	#
1738	714	1	**ancyla**				1				
1739	715	2	**angustistilus**					1			
1740	716	3	**asamaoctava**				1				
1741	717	4	**asamaseptima**				1				
1742	718	5	**asamatertia**				1				
1743	719	6	**bedmari**				1				
1744	720	7	**bijosecunda**				1				
1745	721	8	**boevrensis**				1				
1746	722	9	**brehmi**			1	1				
1747	723	10	**brevicalcar**				1				
1748	724	11	**brevinervis**			1					
1749	725	12	**brundini**							1	
1750	726	13	**changbaiensis**				1				
1751	727	14	**chuzeoctava**				1				
1752	728	15	**claripennis**			1	1		1		1
1753	729	16	**clavigera**					1			
1754	730	17	**clypeata**				1				
1755	731	18	**coerulescens**			1	1				
1756	732	19	**convexa**				1				
1757	733	20	**cyanea**			1	1				
1758	734	21	**daitoquerea**						1		
1759	735	22	**devonica**			1	1				
1760	736	23	**dittmari**				1				
1761	737	24	**fittkaui**				1				
1762	738	25	**fujishoji**				1				
1763	739	26	**fuldensis**				1				
1764	740	27	**gracei**				1				
1765	741	28	**gunmaquarta**				1				
1766	742	29	**halvorseni**				?		1		
1767	743	30	**heveli**							1	
1768	744	31	**ilkleyensis**			1	1				
1769	745	32	**inaresea**				1				

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	EUKIEFFERIELLA contd								
1770	746	33	insolida							1	
1771	747	34	intermedia				1				
1772	748	35	isigaefea						1		
1773	749	36	jintuquindecima				1				
1774	750	37	jintutertia				1				
1775	751	38	jokaseptima				1				
1776	752	39	kivuensis					1			
1777	753	40	kurobeangulata				1				
1778	754	41	kurobenova				1				
1779	755	42	kurobetibia				1				
1780	756	43	kyogokuprima				1				
1781	757	44	latifurca							1	
1782	758	45	lehmanni						1		
1783	759	46	limuri				1				
1784	760	47	lobifera				1				
1785	761	48	minor				1				
1786	762	49	mirabilis				1				
1787	763	50	mongolteua				1				
1788	764	51	mongoluvea				1				
1789	765	52	obergi				1				
1790	766	53	ogasaoctava								1
1791	767	54	oryza						1		
1792	768	55	peculiaris						1		
1793	769	56	pseudomontana				1				
1794	770	57	saccularis						1		
1795	771	58	seiryuefea				1				
1796	772	59	shofukuquarta				1				
1797	773	60	similis				1				
1798	774	61	tentoriola				1				
1799	775	62	tirolensis			1	1				
1800	776	63	tobavicesima						1		
1801	777	64	togaeuquinta				1				
1802	778	65	togaeusecunda				1				
1803	779	66	togaeusexta				1				
1804	780	67	togaeutertia				1				
1805	781	68	tokaralemea						1		
1806	782	69	tonefegea				1				
1807	783	70	tonewijea				1				
1808	784	71	tonewjekea				1				
1809	785	72	tonewkelea				1				

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	EUKIEFFERIELLA contd								
1810	786	73	**tonewlemea**				1				
1811	787	74	**uemotoi**				1				
1812	788	75	**unicalcar**			1					
1813	789	76	**uresicedea**				1				
1814	790	77	**yakuneoa**				1				
1815	791	78	**yakuopea**				1				
1816	792	79	**yakuquerea**				1				
1817	793	80	**yakusetea**				1				
1818	794	81	**yaraensis**						1		
1819	795	82	**yasunoi**				1				
1820	796	83	**yosii**				1				
1821	797	84	**zhiltzovae**				1				
			sp.: Reiss						§		
			sp.: Reiss						§		
			sp. 1: Wais		§						
			sp. 2: Wais		§						
			sp.: Ashe						§		
			sp. (*devonica* group)		§						
			sp.: Wolff *et al*.								§
			sp.: Winterbourn							§	
			cyanea -group sp. 1:							§	
			EURYCNEMUS (2)	-	-	-	#	-	-	-	-
1822	798	1	**crassipes**				1				
1823	799	2	**nozakii**				1				
			sp.: Makarchenko & Makarchenko				§				
			EURYHAPSIS (7)	-	-	#	#	-	-	-	-
1824	800	1	**annuliventris**			1	1				
1825	801	2	**brevis**				1				
1826	802	3	**cilium**			1	1				
1827	803	4	**fuscipropes**				1				
1828	804	5	**hidakacedea**				1				
1829	805	6	**illoba**			1					
1830	806	7	**subviridis**				1				
			sp. 1: Dowling				§				
			FERRINGTONIA (2)	-	#	-	-	-	-	-	-
1831	807	1	**caudicula**		1						
1832	808	2	**patagonica**		1						
			FREEMANIELLA (1)	-	-	-	-	#	-	-	-
1833	809	1	**eastopi**					1			

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	GEORTHOCLADIUS (10)	-	#	#	#	#	-	-	-
			Subg. ATELOPODELLA (1)	-	-	#	-	-	-	-	-
1834	810	1	curticornus			1					
			Subg. GEORTHOCLADIUS (9)	-	#	#	#	#	-	-	-
1835	811	2	amakyei					1			
1836	812	3	fimbriosus			1					
1837	813	4	longicalcaneum					1			
1838	814	5	luteicornis				1				
1839	815	6	platystylus			1					
1840	816	7	retezat				1				
1841	817	8	shiotanii				1				
1842	818	9	triquetrus			1					
1843	819	10	wirthi			1					
			sp.: Mendes & Pinho		§						
			GRAVATAMBERUS (5)	-	#	-	-	-	-	-	-
1844	820	1	apicalus		1						
1845	821	2	curtus		1						
1846	822	3	guatemaltecus		1						
1847	823	4	nidularium		1						
1848	824	5	pilosus		1						
			GUNMAYUSURIKA (1)	-	-	-	#	-	-	-	-
1849	825	1	joganhiberna				1				
			GYMNOMETRIOCNEMUS (15)	-	#	#	#	#	-	#	-
			Subg. GYMNOMETRIOCNEMUS (11)	-	#	#	#	#	-	#	-
1850	826	1	ancudensis		1						
1851	827	2	benoiti					1			
1852	828	3	brevitarsis				1				
1853	829	4	johanasecundus				1				
1854	830	5	lobifer							1	
1855	831	6	longicostalis		1						
1856	832	7	mahensis					1			
1857	833	8	nitidulus							1	
1858	834	9	subnudus			1	1				
1859	835	10	terrestris				1				
1860	836	11	wilsoni							1	
			sp. 1: Haase & Nolte							§	
			sp.: Trivinho-Strixino		§						
			Subg. RAPHIDOCLADIUS (4)	-	-	#	#	-	-	-	-
1861	837	12	brumalis			1	1				
1862	838	13	kamimegavirgus				1				
1863	839	14	tairaprimus				1				

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	GYMNOMETRIOCNEMUS contd								
			Subg. **RAPHIDOCLADIUS** contd								
1864	840	15	**volitans**				1				
			GYNNIDOCLADIUS (1)	-	-	-	-	-	-	#	-
1865	841	1	**pilulus**							1	
			GYNOCLADIUS (1)	-	#	-	-	-	-	-	-
1866	842	1	**scalpellosus**		1						
			HALOCLADIUS (6)	-	-	#	#	-	-	-	-
			Subg. **HALOCLADIUS** (5)	-	-	#	#	-	-	-	-
1867	843	1	**fucicola**				1				
1868	844	2	**mediterraneus**				1				
1869	845	3	**millenarius**				1				
1870	846	4	**variabilis**			1	1				
1871	847	5	**varians**			?	1				
			Subg. **PSAMMOCLADIUS** (1)	-	-	-	#	-	-	-	-
1872	848	6	**braunsi**				1				
			HANOCLADIUS (1)	-	-	-	-	-	#	-	-
1873	849	1	**longipes**						1		
			HELENIELLA (11)	-	-	#	#	-	#	-	-
1874	850	1	**asiatica**						1		
1875	851	2	**curtistila**			1	1		1		
1876	852	3	**dorieri**				1				
1877	853	4	**extrema**				1				
1878	854	5	**hirta**			1					
1879	855	6	**nebulosa**						1		
1880	856	7	**ornaticollis**				1				
1881	857	8	**osarumaculata**				1		1		
1882	858	9	**otujimaculata**				1				
1883	859	10	**parva**			1					
1884	860	11	**serratosioi**				1				
			sp.: Coffman *et al*.						§		
			sp.: Andersen & Wang						§		
			HETEROTANYTARSUS (4)	-	-	#	#	-	-	-	-
1885	861	1	**apicalis**				1				
1886	862	2	**brundini**				1				
1887	863	3	**nudalus**			1					
1888	864	4	**perennis**			1					
			HETEROTRISSOCLADIUS (22)	-	-	#	#	-	#	-	-
1889	865	1	**bazovi**				1				
1890	866	2	**boltoni**			1					
1891	867	3	**brundini**				1				

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	HETEROTRISSOCLADIUS contd								
1892	868	4	chandra						1		
1893	869	5	changi			1	1				
1894	870	6	chuzedecimus				1				
1895	871	7	cooki			1					
1896	872	8	flectus						1		
1897	873	9	grimshawi				1				
1898	874	10	hirtapex			1					
1899	875	11	kamibeceus				1				
1900	876	12	kuluensis						1		
1901	877	13	latilaminus			1					
1902	878	14	maeaeri			1	1				
1903	879	15	marcidus			1	1		1		
1904	880	16	oliveri			1					
1905	881	17	quartus						1		
1906	882	18	reductus						1		
1907	883	19	scutellatus				1				
1908	884	20	sonah				1				
1909	885	21	subpilosus			1	1				
1910	886	22	zierli				1				
			HEVELIUS (1)	-	-	-	-	-	-	#	-
1911	887	1	carinatus							1	
			HYDROBAENUS (43)	-	-	#	#	-	-	-	-
1912	888	1	biwagrandis				1				
1913	889	2	biwaquartus				1				
1914	890	3	calvescens			1					
1915	891	4	conformis			1	1				
1916	892	5	cranstoni				1				
1917	893	6	distylus				1				
1918	894	7	fusistylus			1	1				
1919	895	8	ginzanneous				1				
1920	896	9	hudsoni			1					
1921	897	10	itachigranulatus				1				
1922	898	11	jacuticus				1				
1923	899	12	kisosecundus				1				
1924	900	13	kondoi				1				
1925	901	14	kotsuki				1				
1926	902	15	lapponicus				1				
1927	903	16	laticaudus			1	1				
1928	904	17	lugubris				1				
1929	905	18	lunzensis				1				

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	HYDROBAENUS contd								
1930	906	19	maladistinctus				1				
1931	907	20	martini			1	1				
1932	908	21	monodentatus				1				
1933	909	22	nivoriundus			1					
1934	910	23	olfa				1				
1935	911	24	parvacaudatus				1				
1936	912	25	paucisaeta				1				
1937	913	26	pilipes			1	1				
1938	914	27	pilipodex			1					
1939	915	28	pseudoconformis				1				
1940	916	29	rufus				1				
1941	917	30	saetheri			1					
1942	918	31	scapulapilosus			1					
1943	919	32	septentrionalis				1				
1944	920	33	sigaensis				1				
1945	921	34	sikhotealinensis				1				
1946	922	35	sirikus				1				
1947	923	36	spinnatis			1	1				
1948	924	37	tiunovi				1				
1949	925	38	travisi			1					
1950	926	39	tsugaruensis				1				
1951	927	40	tsukubalatus				1				
1952	928	41	tumidistylus			1	1				
1953	929	42	vernus				1				
1954	930	43	virgo			1					
			HYDROSMITTIA (13)	-	-	#	#	#	-	-	-
1955	931	1	aagaardi				1				
1956	932	2	annulata					1			
1957	933	3	brevicornis				1				
1958	934	4	falsicostata					1			
1959	935	5	kisotriangulata				1				
1960	936	6	montana				1				
1961	937	7	oxoniana			1	1				
1962	938	8	ruttneri			1	1				
1963	939	9	setavena			1					
1964	940	10	soelii					1			
1965	941	11	tenuistylata					1			
1966	942	12	togadistalis				1				
1967	943	13	virgo			1	1				
			sp. "Northwest Territories"			§					

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	**ICHTHYOCLADIUS** (3)	-	#	-	-	-	-	-	-
1968	944	1	**kronichticola**		1						
1969	945	2	**lilianae**		1						
1970	946	3	**neotropicus**		1						
			sp. "Ecuador"		§						
			sp.: Fittkau		§						
			sp. "Rio Marauiá"		§						
			sp. "Argentina"		§						
			INDOCLADIUS (1)	-	-	-	-	-	#	-	-
1971	947	1	**clivus**						1		
			IONTHOSMITTIA (2)	-	-	-	#	#	-	-	-
1972	948	1	**caudiga**					1			
1973	949	2	**otujitertia**				1				
			IPORANGOMBERUS (1)	-	#	-	-	-	-	-	-
1974	950	1	**pei**		1						
			IRISOBRILLIA (1)	-	#	-	-	-	-	-	-
1975	951	1	**longicosta**		1						
			KANIWHANIWHANUS (1)	-	-	-	-	-	-	#	-
1976	952	1	**chapmani**							1	
			KIEFFEROPHYES (3)	-	-	-	-	-	-	#	-
1977	953	1	**invenustulus**							1	
1978	954	2	**leei**							1	
1979	955	3	**lobifer**							1	
			KNEPPERIA (1)	-	-	-	-	#	-	-	-
1980	956	1	**gracilis**					1			
			KRENOSMITTIA (20)	-	-	#	#	#	#	-	-
1981	957	1	**annulata**				1		1		
1982	958	2	**boreoalpina**			?	1				
1983	959	3	**brevitarsis**					1			
1984	960	4	**camptophleps**			?	1				
1985	961	5	**halvorseni**			1	1				
1986	962	6	**hispanica**				1				
1987	963	7	**ignota**					1			
1988	964	8	**kurobeminuta**				1				
1989	965	9	**lophos**				1				
1990	966	10	**novokshonovi**				1				
1991	967	11	**sakhalinensis**				1				
1992	968	12	**seiryuopea**				1				
1993	969	13	**togapirea**				1				
1994	970	14	**toyamaquerea**				1				
1995	971	15	**toyamateua**				1				

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	KRENOSMITTIA contd								
1996	972	16	**truncatata**						1		
1997	973	17	**variabilis**				1				
1998	974	18	**yakylemea**				1				
1999	975	19	**zhengi**				1				
2000	976	20	**zhiltzovae**				1				
			sp.: Ashe *et al*.						§		
			sp.: Coffman *et al*.						§		
			KUSCHELIUS (1)	-	-	-	-	-	-	#	-
2001	977	1	**dentifer**							1	
			LAPPOKIEFFERIELLA (1)	-	-	#	#	-	-	-	-
2002	978	1	**platytarsus**			1	1				
			LAPPOSMITTIA (1)	-	-	#	#	-	-	-	-
2003	979	1	**parvibarba**				1				
			sp.: Coffman & Ferrington			§					
			LERHEIMIA (4)	-	-	-	-	#	-	-	-
2004	980	1	**aviculata**					1			
2005	981	2	**scopulata**					1			
2006	982	3	**villangulata**					1			
2007	983	4	**wulfi**					1			
			LIMNOPHYES (90)	#	#	#	#	#	#	#	-
2008	984	1	**aagaardi**				1				
2009	985	2	**akanangularis**				1				
2010	986	3	**akannonus**				1				
2011	987	4	**akanundecimus**				1				
2012	988	5	**algerinus**				1				
2013	989	6	**anderseni**			1	1				
2014	990	7	**angelicae**				1				
2015	991	8	**asamanonus**				1				
2016	992	9	**asquamatus**			1	1		1		
2017	993	10	**bidumus**				1				
2018	994	11	**brachyarthra**		1						
2019	995	12	**brachytomus**			1	1				
2020	996	13	**brevicorpis**						1		
2021	997	14	**bubo**					1			
2022	998	15	**bullus**				1		1		
2023	999	16	**carolinensis**			1					
2024	1000	17	**collaris**		1						
2025	1001	18	**coloradensis**			1					
2026	1002	19	**cranstoni**				1				
2027	1003	20	**difficilis**				1		1		

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	LIMNOPHYES contd								
2028	1004	21	doughmani			1					
2029	1005	22	edwardsi				1				
2030	1006	23	eltoni				1				
2031	1007	24	er				1				
2032	1008	25	famigeheus				1				
2033	1009	26	flavus						1		
2034	1010	27	fumosus			1					
2035	1011	28	fuscimarginalis						1		
2036	1012	29	fuscipygmus						1		
2037	1013	30	gelasinus				1				
2038	1014	31	gercinoi		1						
2039	1015	32	griseatus		1						
2040	1016	33	guatemalensis		1						
2041	1017	34	gurgicola				1		1		
2042	1018	35	habilis				1				
2043	1019	36	hastulatus			1					
2044	1020	37	ikikeleus				1				
2045	1021	38	inanispatina				1				
2046	1022	39	jokaoctavus				1				
2047	1023	40	kaminovus				1				
2048	1024	41	kibunefuscus				1				
2049	1025	42	kibunepilosus				1				
2050	1026	43	lobiscus					1			
2051	1027	44	madeirae				1				
2052	1028	45	magnus						1		
2053	1029	46	margaretae			1	1				
2054	1030	47	mariae		1						
2055	1031	48	mediocris						1		
2056	1032	49	mikuriensis				1				
2057	1033	50	minimus	1	?	1	1	1	1		
2058	1034	51	natalensis			1	1	1			
2059	1035	52	ninae			1	1				
2060	1036	53	oiraquartus				1				
2061	1037	54	okhotensis				1				
2062	1038	55	opimus				1				
2063	1039	56	orbicristatus						1		
2064	1040	57	oyabegrandilobus				1				
2065	1041	58	oyabehiematus				1				
2066	1042	59	palleocestus				1		1		
2067	1043	60	paludis				1				

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	LIMNOPHYES contd								
2068	1044	61	parakitanaides				1				
2069	1045	62	pentaplastus			1	1		1		
2070	1046	63	pilicistulus			1					
2071	1047	64	platystylus				1				
2072	1048	65	prolatus				1				
2073	1049	66	pseudopumilio				1				
2074	1050	67	pumilio			1	1				
2075	1051	68	punctipennis				1				
2076	1052	69	recisus			1					
2077	1053	70	roquehautensis				1				
2078	1054	71	schnelli				1				
2079	1055	72	sokolovae				1				
2080	1056	73	spinigus				1				
2081	1057	74	strobilifer				1				
2082	1058	75	subnudicollis		1						
2083	1059	76	tamakitanaides				1		?		
2084	1060	77	torulus				1				
2085	1061	78	toyamapequeus				1				
2086	1062	79	triangularis				1				
2087	1063	80	truncatocaudatus						1		
2088	1064	81	tusimofegeus				1				
2089	1065	82	uniformis						1		
2090	1066	83	verpus				1		1		
2091	1067	84	vestitus							1	
2092	1068	85	visheraensis				1				
2093	1069	86	vrangelensis				1				
2094	1070	87	yakyabeus				1				
2095	1071	88	yakycedeus				1				
2096	1072	89	yakydeeus				1				
2097	1073	90	yakyefeus				1				
			sp.: Brundin	§							
			sp. n: Krosch *et al.*							§	
			LIPUROMETRIOCNEMUS (2)	-	#	#	-	-	-	-	-
2098	1074	1	glabalus		1						
2099	1075	2	vixlobatus			1					
			LITOCLADIUS (5)	-	#	-	-	-	-	-	-
2100	1076	1	chavarriai		1						
2101	1077	2	confusus		1						
2102	1078	3	floripa		1						
2103	1079	4	mateusi		1						

TABLE 6 contd			**ORTHOCLADIINAE** contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	**Subf**	**Gen**	**LITOCLADIUS** contd								
2104	**1080**	**5**	**neusae**		1						
			LOBOSMITTIA (3)	-	-	-	#	#	#	-	-
2105	**1081**	**1**	**basilobata**					1			
2106	**1082**	**2**	**invaginata**				1				
2107	**1083**	**3**	**takahashii**						1		
			LOPESCLADIUS (8)	-	#	#	-	-	-	-	-
			Subg. **CORDIELLA** (4)	-	#	#	-	-	-	-	-
2108	**1084**	**1**	**hyporheicus**			1					
2109	**1085**	**2**	**morosus**		1						
2110	**1086**	**3**	**uncatus**		1						
2111	**1087**	**4**	**vibrissatus**		1						
			sp.: Coffman & Roback		§						
			sp.: Coffman & Roback		§						
			Subg. **LOPESCLADIUS** (4)	-	#	#	-	-	-	-	-
2112	**1088**	**5**	**fittkaui**		1						
2113	**1089**	**6**	**inermis**			1					
2114	**1090**	**7**	**minutissimus**		1						
2115	**1091**	**8**	**verruculosus**		1	1					
			LOPESCLADIUS ?Subgenus	-	#	#	-	-	-	-	-
			sp.: (Brundin)		§						
			sp.: (Brundin)		§						
			sp.: (Brundin)			§					
			sp. 1: Coffman & Roback			§					
			sp.: Watson & Heyn		§						
			sp.: Ospina-Torres *et al*.		§						
			LYROCLADIUS (2)	-	#	-	-	-	-	-	-
2116	**1092**	**1**	**cacau**		1						
2117	**1093**	**2**	**radulatus**		1						
			MARYELLA (1)	-	-	-	-	-	-	#	-
2118	**1094**	**1**	**reducta**							1	
			MAXIMBERUS (1)	-	#	-	-	-	-	-	-
2119	**1095**	**1**	**maxi**		1						
			MECAORUS (1)	-	-	-	-	-	-	#	-
2120	**1096**	**1**	**elongatus**							1	
			MESOCRICOTOPUS (2)	-	-	#	#	-	-	-	-
2121	**1097**	**1**	**loticus**			1					
2122	**1098**	**2**	**thienemanni**			1	1				
			MESOSMITTIA (18)	-	#	#	#	#	#	-	-
2123	**1099**	**1**	**absensis**				1				
2124	**1100**	**2**	**acutistylus**		1	1	1				

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	MESOSMITTIA contd								
2125	1101	3	annae		1						
2126	1102	4	brevis				1				
2127	1103	5	cristaga					1			
2128	1104	6	flexuella				1				
2129	1105	7	glabra		1						
2130	1106	8	gracilis				1				
2131	1107	9	guanajensis			1					
2132	1108	10	hirta		1						
2133	1109	11	lobiga			1					
2134	1110	12	mina			1					
2135	1111	13	museophila		1						
2136	1112	14	nigerrima					1			
2137	1113	15	patrihortae		1	1	1	1	1		
2138	1114	16	prolixa		1	1					
2139	1115	17	tora			1					
2140	1116	18	truncata		1						
			METRIOCNEMUS (67)	-	#	#	#	#	#	#	-
			Subg. CRYMALEOMYIA (1)	-	-	-	-	-	#	-	-
2141	1117	1	brunneri						1		
			Subg. INERMIPUPA (1)	-	-	-	#	-	-	-	-
2142	1118	2	carmencitabertarum				1				
			Subg. METRIOCNEMUS (65)	-	#	#	#	#	#	#	-
2143	1119	3	abdominoflavatus		1						
2144	1120	4	aculeatus						1		
2145	1121	5	acutus				1				
2146	1122	6	aequalis			1					
2147	1123	7	albolineatus			1	1		1		
2148	1124	8	amamianomalis						1		
2149	1125	9	amplispinus						1		
2150	1126	10	amurensis				1				
2151	1127	11	atriclava				1				
2152	1128	12	beringensis			1	1				
2153	1129	13	bilobatus				1				
2154	1130	14	brusti			1	1				
2155	1131	15	callinotus						1		
2156	1132	16	calvescens				1				
2157	1133	17	canus					1			
2158	1134	18	capicola					1			
2159	1135	19	cataractarum				1				
2160	1136	20	caudigus				1				

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	METRIOCNEMUS contd								
			Subg. METRIOCNEMUS contd								
2161	1137	21	cavicola				1				
2162	1138	22	conicus					1			
2163	1139	23	corticalis				1				
2164	1140	24	costatus		1						
2165	1141	25	dentipalpus				1				
2166	1142	26	edwardsi			1					
2167	1143	27	eryngiotelmatus		1						
2168	1144	28	eurynotus			1	1		1		
2169	1145	29	exilacies				1				
2170	1146	30	fletcheri					1			
2171	1147	31	fuscipes			1	1				
2172	1148	32	hirticollis				1				
2173	1149	33	hornsbyensis							1	
2174	1150	34	inopinatus				1				
2175	1151	35	intergerivus			1	1				
2176	1152	36	knabi			1					
2177	1153	37	lacteolus				1				
2178	1154	38	lautus		1						
2179	1155	39	lobeliae					1			
2180	1156	40	longipennis			1	1				
2181	1157	41	nigrescens						1		
2182	1158	42	oiraquintus				1				
2183	1159	43	pankratovae				1				
2184	1160	44	perfuscus			1					
2185	1161	45	picipes			1	1		1		
2186	1162	46	polaris			1					
2187	1163	47	pseudorostratus						1		
2188	1164	48	puna		1						
2189	1165	49	rufulus				1				
2190	1166	50	seiryumeneus				1				
2191	1167	51	shouclarus				1				
2192	1168	52	sibiricus				1				
2193	1169	53	stevensi				1				
2194	1170	54	sudagaimeneus				1				
2195	1171	55	tamaokui				1				
2196	1172	56	terrester				1				
2197	1173	57	togaminor				1				
2198	1174	58	toganiger				1				
2199	1175	59	togapullus				1				

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	METRIOCNEMUS contd								
			Subg. METRIOCNEMUS contd								
2200	1176	60	tristellus			1	1				
2201	1177	61	tropicus		1						
2202	1178	62	unilinearis				1		1		
2203	1179	63	ursinus			1	1				
2204	1180	64	virgatus		1						
2205	1181	65	wangi						1		
2206	1182	66	wittei					1			
2207	1183	67	yaquina			1					
			MIAMBERA (1)	-	#	-	-	-	-	-	-
2208	1184	1	miae		1						
			MOLLERIELLA (1)	-	-	-	#	-	-	-	-
2209	1185	1	calcarella				1				
			MURRAYCLADIUS (1)	-	-	-	-	-	#	-	-
2210	1186	1	patwallacei						1		
			NAKATAIA (1)	-	-	-	-	-	-	#	-
2211	1187	1	cisdentifer							1	
			NANOCLADIUS (34)	-	#	#	#	#	#	#	#
			Subg. NANOCLADIUS (30)	-	#	#	#	#	#	#	#
2212	1188	1	acutus					1			
2213	1189	2	alternantherae			1					
2214	1190	3	anderseni			1	1				
2215	1191	4	argentiplumus					1			
2216	1192	5	balticus			1	1				
2217	1193	6	baltus						1		
2218	1194	7	brunneus					1			
2219	1195	8	calvatus						1		
2220	1196	9	crassicornus			1					
2221	1197	10	dichromus				1				
2222	1198	11	distinctus			1	1				
2223	1199	12	incomptus			1					
2224	1200	13	jannae					1			
2225	1201	14	jintuquardecima				1				
2226	1202	15	mallochi			1					
2227	1203	16	minimus			1	1				
2228	1204	17	ortsi					1			
2229	1205	18	oyaberadiata				1				
2230	1206	19	palpideminutus				1				
2231	1207	20	parvulus			1	1				
2232	1208	21	pubescens				1				

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	NANOCLADIUS contd								
			Subg. NANOCLADIUS contd								
2233	1209	22	**rectinervis**				1				
2234	1210	23	**sætheri**					1			
2235	1211	24	**seiryufegeus**				1				
2236	1212	25	**spiniplenus**			1	1				
2237	1213	26	**taiwanensis**						1		
2238	1214	27	**tamabicolor**				1				
2239	1215	28	**tokuokasia**				1				
2240	1216	29	**trinus**						1		
2241	1217	30	**vitellinus**					1			
			sp. No. 1: Tokunaga							§	
			sp.: (Brundin)		§						
			sp.: Coffman *et al*.						§		
			sp.: Cranston & Martin							§	
			sp.: Cranston & Martin								§
			sp.: Ashe						§		
			sp.: Ospina-Torres *et al*.		§						
			sp. 1: Haase & Nolte							§	
			sp. 2: Haase & Nolte							§	
			Subg. PLECOPTERACOLUTHUS (4)	-	#	#	#	-	#	-	-
2242	1218	31	**asiaticus**				1		1		
2243	1219	32	**branchicolus**			1					
2244	1220	33	**bubrachiatus**		1	1					
2245	1221	34	**downesi**			1					
			sp.: Roback & Coffman						§		
			sp.: Giberson *et al*.			§					
			sp.: Pennuto			§					
			sp. 2: Jacobsen			§					
			sp.: Dorvillé *et al*.		§						
			sp.: Callisto & Goulart		§						
			NAONELLA (2)	-	-	-	-	-	-	#	-
2246	1222	1	**forsythi**							1	
2247	1223	2	**kimihia**							1	
			NASUTICLADIUS (7)	-	-	-	-	-	#	#	-
2248	1224	1	**ater**							1	
2249	1225	2	**equalis**						1		
2250	1226	3	**lanceolatus**						1		
2251	1227	4	**niger**							1	
2252	1228	5	**tonnoiri**							1	
2253	1229	6	**wilsoni**							1	

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	NASUTICLADIUS contd								
2254	1230	7	**wirthi**							1	
			NEOBRILLIA (2)	-	-	-	#	-	#	-	-
2255	1231	1	**longistyla**				1		1		
2256	1232	2	**raikoprima**				1				
			NESIOCLADIUS (1)	-	-	-	-	-	-	#	-
2257	1233	1	**gressitti**							1	
			NINELIA (1)	-	-	#	#	-	-	-	-
2258	1234	1	**proboscidea**				1				
			sp. B: (Sæther)			§					
			NOTOCLADIUS (1)	-	-	-	-	#	-	-	-
2259	1235	1	**capicola**					1			
			OKAYAMAYUSURIKA (1)	-	-	-	#	-	-	-	-
2260	1236	1	**kojimaspinosa**				1				
			OLEIA (7)	-	#	-	-	-	-	-	-
2261	1237	1	**amazonica**		1						
2262	1238	2	**bipartita**		1						
2263	1239	3	**boraceia**		1						
2264	1240	4	**camura**		1						
2265	1241	5	**hamata**		1						
2266	1242	6	**spinosa**		1						
2267	1243	7	**ultima**		1						
			OLIVEIRIELLA (2)	-	#	#	-	-	-	-	-
2268	1244	1	**almeidai**		1						
2269	1245	2	**sanjavieri**		1						
			sp.: (Roback & Coffman)		§						
			sp.: Krestian *et al*.			§					
			OLIVERIDIA (2)	-	-	#	#	-	-	-	-
2270	1246	1	**hugginsi**			1					
2271	1247	2	**tricornis**			1	1				
			sp.: Sæther				§				
			ONCONEURA (7)	-	#	#	-	-	-	-	-
2272	1248	1	**cascatinha**		1						
2273	1249	2	**desertica**		1						
2274	1250	3	**japi**		1						
2275	1251	4	**oncovolsella**		1						
2276	1252	5	**semifimbriata**		1	1					
2277	1253	6	**similispina**		1						
2278	1254	7	**undecimata**		1						
			sp. "*buriti*": Wiedenbrug *et al*.		§						
			sp. "ET157": Wiedenbrug *et al*.		§						

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	ONCONEURA contd								
			sp. "hat": Wiedenbrug *et al*.		§						
			sp. "taquara": Wiedenbrug *et al*.		§						
			OREADOMYIA (1)	-	-	#	-	-	-	-	-
2279	1255	1	**albertae**			1					
			ORTHOCLADIUS (142)	-	#	#	#	#	#	-	-
			Subg. **EUDACTYLOCLADIUS** (17)	-	#	#	#	#	#	-	-
2280	1256	1	**almskari**				1				
2281	1257	2	**androgynus**						1		
2282	1258	3	**biwaniger**				1				
2283	1259	4	**brevipennis**						1		
2284	1260	5	**brevis**						1		
2285	1261	6	**dubitatus**			1	1				
2286	1262	7	**fengensis**				1				
2287	1263	8	**fuscimanus**				1				
2288	1264	9	**gelidorum**			1	1				
2289	1265	10	**gelidus**			1	1				
2290	1266	11	**intectus**						1		
2291	1267	12	**musester**				1		1		
2292	1268	13	**nigronotus**						1		
2293	1269	14	**nudus**						1		
2294	1270	15	**olivaceus**				1				
2295	1271	16	**priomixtus**				1				
2296	1272	17	**subletteorum**			1	1		1		
			sp.: Reiss						§		
			sp.: Willassen & Cranston					§			
			sp.: Roback & Coffman						§		
			sp.: Wais		§						
			sp.: Watson & Heyn		§						
			Subg. **EUORTHOCLADIUS** (30)	-	-	#	#	-	#	-	-
2297	1273	18	**abiskoensis**			1	1				
2298	1274	19	**annellae**			1					
2299	1275	20	**anteilis**			1					
2300	1276	21	**asamadentalis**				1				
2301	1277	22	**ashei**				1				
2302	1278	23	**calvus**				1				
2303	1279	24	**coffmani**			1					
2304	1280	25	**difficilis**			1					
2305	1281	26	**insolitus**				1				
2306	1282	27	**kanii**				1				
2307	1283	28	**luteipes**			1	1				

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	ORTHOCLADIUS contd								
			Subg. **EUORTHOCLADIUS** contd								
2308	1284	29	**masseinii**				1				
2309	1285	30	**oirasecundus**				1				
2310	1286	31	**oiratertius**				1				
2311	1287	32	**piloculatus**				1				
2312	1288	33	**rivicola**			1	1				
2313	1289	34	**rivulorum**			1	1				
2314	1290	35	**saxosus**			1	1				
2315	1291	36	**shofukuquintus**				1				
2316	1292	37	**shofukuseptimus**				1				
2317	1293	38	**shofukusextus**				1				
2318	1294	39	**subbullatus**				1				
2319	1295	40	**sudagailemeus**				1				
2320	1296	41	**suspensus**				1				
2321	1297	42	**telochaetus**				1				
2322	1298	43	**thienemanni**			1	1				
2323	1299	44	**togaflexus**				1				
2324	1300	45	**togahamatus**				1				
2325	1301	46	**tonewopeus**				1				
2326	1302	47	**tusimoopeus**				1				
			"poss. *rivulorum* gr. sp."						§		
			sp. 1: Roback & Coffman						§		
			sp. 2: Roback & Coffman						§		
			sp.: Andersen *et al*.			§					
			Subg. **MESORTHOCLADIUS** (7)	-	-	#	#	-	#	-	-
2327	1303	48	**breviventris**				1				
2328	1304	49	**frigidus**			1	1				
2329	1305	50	**klishkoae**				1				
2330	1306	51	**lamellatus**			1	1				
2331	1307	52	**nimidens**			1					
2332	1308	53	**roussellae**			1	1				
2333	1309	54	**vaillanti**			1	1				
			"cf. *frigidus* (Zetterstedt)"						§		
			Subg. **ORTHOCLADIUS** (62)	-	-	#	#	-	#	-	-
2334	1310	55	**appersoni**			1	1				
2335	1311	56	**biwainfirmus**				1				
2336	1312	57	**carlatus**			1	1				
2337	1313	58	**charensis**			1					
2338	1314	59	**chuzeseptimus**				1				
2339	1315	60	**chuzesextus**				1				

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	ORTHOCLADIUS contd								
			Subg. ORTHOCLADIUS contd								
2340	1316	61	clarkei			1	1				
2341	1317	62	cognatus				1				
2342	1318	63	cooki			1					
2343	1319	64	decoratus			1	1				
2344	1320	65	defensus				1				
2345	1321	66	deflectus						1		
2346	1322	67	dentifer			1	1				
2347	1323	68	dorenus			1	1				
2348	1324	69	excavatus			1	1				
2349	1325	70	ferringtoni			1					
2350	1326	71	filamentosus				1				
2351	1327	72	glabripennis				1				
2352	1328	73	gregarius				1				
2353	1329	74	groenlandensis			1					
2354	1330	75	hazenensis			1	1				
2355	1331	76	hellenthali			1	1				
2356	1332	77	kamihiroi				1				
2357	1333	78	kamisemai				1				
2358	1334	79	knabeni			1	1				
2359	1335	80	knuthi			1	1				
2360	1336	81	lapponicus			1	1				
2361	1337	82	linevitshae				1				
2362	1338	83	maius				1				
2363	1339	84	makabensis				1				
2364	1340	85	mallochi			1					
2365	1341	86	manitobensis			1					
2366	1342	87	marchettii				1				
2367	1343	88	multidentatus				1				
2368	1344	89	nigritus			1	1				
2369	1345	90	nitidoscutellatus			1	1				
2370	1346	91	novostylus						1		
2371	1347	92	oblidens			1	1				
2372	1348	93	obumbratus			1					
2373	1349	94	oliveri			1	1				
2374	1350	95	pallidicornis				1				
2375	1351	96	pedestris				1				
2376	1352	97	rarus				1				
2377	1353	98	rhyacobius				1				
2378	1354	99	rivinus				1				

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	ORTHOCLADIUS contd								
			Subg. ORTHOCLADIUS contd								
2379	1355	100	robacki			1					
2380	1356	101	rubicundus			1	1				
2381	1357	102	saetheri			1					
2382	1358	103	sakhalinensis				1				
2383	1359	104	seiryugeheus				1				
2384	1360	105	setosus				1				
2385	1361	106	subletti			1					
2386	1362	107	tamanitidus				1				
2387	1363	108	tamaputridus				1				
2388	1364	109	tamarutilus				1				
2389	1365	110	toyamakeleus				1				
2390	1366	111	tusimopequeus				1				
2391	1367	112	ulaanbaatus				1				
2392	1368	113	uniradialis						1		
2393	1369	114	wetterensis				1				
2394	1370	115	wiensi			1					
2395	1371	116	yugashimaensis				1				
			sp.: Andersen *et al*.			§					
			Subg. POGONOCLADIUS (1)	-	-	#	#	-	-	-	-
2396	1372	117	consobrinus			1	1				
			Subg. SYMPOSIOCLADIUS (10	-	-	#	#	-	#	-	-
2397	1373	118	annectens			1					
2398	1374	119	bilyji			1					
2399	1375	120	futianensis						1		
2400	1376	121	halvorseni				1				
2401	1377	122	holsatus			1	1		1		
2402	1378	123	lignicola			1	1		1		
2403	1379	124	lunzensis				1				
2404	1380	125	ruffoi				1				
2405	1381	126	schnelli			1	1		1		
2406	1382	127	smolandicus			1	1				
			"cf. *lignicola*"						§		
			ORTHOCLADIUS ?Subgenus (15)	-	-	-	#	#	-	-	-
2407	1383	128	alpinus					1			
2408	1384	129	bergensis					1			
2409	1385	130	breviseta				1				
2410	1386	131	harrisoni					1			
2411	1387	132	kinangopi					1			
2412	1388	133	kuroijeus				1				

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	ORTHOCLADIUS ?Subgenus contd								
2413	1389	134	lacustris					1			
2414	1390	135	megalochirus					1			
2415	1391	136	nilicola					1			
2416	1392	137	pretorianus					1			
2417	1393	138	sanctibenedicti					1			
2418	1394	139	seonwui				1				
2419	1395	140	stagnicola				1				
2420	1396	141	stuckenbergi					1			
2421	1397	142	tusimokeleus				1				
			PARACHAETOCLADIUS (7)	-	-	#	#	-	-	-	-
2422	1398	1	abnobaeus			1	1				
2423	1399	2	akanoctavus				1				
2424	1400	3	hirtipectus			1					
2425	1401	4	imberbus			1					
2426	1402	5	kamiovatus				1				
2427	1403	6	kuramasingularis				1				
2428	1404	7	sunabaabeus				1				
			sp. A: Sæther & Sublette			§					
			sp. B: Sæther & Sublette			§					
			PARACLADIUS (9)	-	#	#	#	-	#	-	-
2429	1405	1	akansextus				1				
2430	1406	2	alpicola			1	1		1		
2431	1407	3	antennarius						1		
2432	1408	4	conversus			1	1				
2433	1409	5	omolonus				1				
2434	1410	6	ovatus						1		
2435	1411	7	quadrinodosus			1	1				
2436	1412	8	seutakanus				1				
2437	1413	9	tusimoabeus				1				
			sp.: Trivinho-Strixino		§						
			PARACRICOTOPUS (12)	-	-	#	#	-	#	-	-
2438	1414	1	glaber			1					
2439	1415	2	insulatus						1		
2440	1416	3	irregularis				1				
2441	1417	4	millrockensis			1					
2442	1418	5	missilus						1		
2443	1419	6	mozleyi			1					
2444	1420	7	niger				1				
2445	1421	8	oyabeangulatus				1				
2446	1422	9	spinicornis						1		

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	PARACRICOTOPUS contd								
2447	1423	10	**tamabrevis**				1				
2448	1424	11	**togakuroasi**				1				
2449	1425	12	**uliginosus**				1				
			sp.: Ashe *et al*.						§		
			sp.: Roback & Coffman						§		
			sp.: Coffman *et al*.						§		
			PARADOXOCLADIUS (1)	-	-	-	-	#	-	-	-
2450	1426	1	**mangoldi**					1			
			PARAKIEFFERIELLA (43)	-	#	#	#	#	#	#	#
2451	1427	1	**bathophila**			1	1				
2452	1428	2	**biloba**					1			
2453	1429	3	**bilobata**				1				
2454	1430	4	**cavernae**						1		
2455	1431	5	**chuzeundecima**				1				
2456	1432	6	**claviculata**		1						
2457	1433	7	**coronata**			1	1				
2458	1434	8	**crassispina**						1		
2459	1435	9	**dentifera**				1				
2460	1436	10	**ephippium**					1			
2461	1437	11	**fennica**			1	1				
2462	1438	12	**finnmarkica**				1				
2463	1439	13	**furudoctava**				1				
2464	1440	14	**furudoundecimus**				1				
2465	1441	15	**gracillima**			1	1				
2466	1442	16	**gynocera**				1				
2467	1443	17	**harrisoni**					1			
2468	1444	18	**hernandezi**		1						
2469	1445	19	**minax**					1			
2470	1446	20	**minuta**				1				
2471	1447	21	**mujuensis**				1				
2472	1448	22	**nigra**			1	1				
2473	1449	23	**normandiana**				1				
2474	1450	24	**osaruflava**				1				
2475	1451	25	**osarufusca**				1				
2476	1452	26	**pyrenaica**				1				
2477	1453	27	**rara**				1				
2478	1454	28	**scandica**				1				
2479	1455	29	**smolandica**			1	1				
2480	1456	30	**strixinorum**		1						
2481	1457	31	**subaterrima**			1	1				

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	PARAKIEFFERIELLA contd								
2482	1458	32	**tamatriangulata**				1				
2483	1459	33	**tenuilobata**				1				
2484	1460	34	**tipuliformis**						1		
2485	1461	35	**togabicea**				1				
2486	1462	36	**togaminea**				1				
2487	1463	37	**triquetra**				1				
2488	1464	38	**tusimowexea**				1				
2489	1465	39	**viktana**				1				
2490	1466	40	**vshivkovae**				1				
2491	1467	41	**wardorum**		1						
2492	1468	42	**wuelkeri**				1				
2493	1469	43	**yakykelea**				1				
			sp.: Coffman *et al*.						§		
			sp.: Cranston & Martin							§	
			sp.: Ashe						§		
			sp.: Ospina-Torres *et al*.		§						
			sp.: Wolff *et al*.								§
			PARALIMNOPHYES (5)	-	-	#	#	-	#	#	-
2494	1470	1	**albibasis**							1	
2495	1471	2	**jii**						1		
2496	1472	3	**longiseta**				1				
2497	1473	4	**pullulus**							1	
2498	1474	5	**trilineatus**			1	1				
			sp.: Andersen *et al*.			§					
			PARAMETRIOCNEMUS (33)	-	#	#	#	#	#	#	#
2499	1475	1	**aduncus**						1		
2500	1476	2	**arciger**				1				
2501	1477	3	**biappendiculatus**				1				
2502	1478	4	**boreoalpinus**				1				
2503	1479	5	**brundini**						1		
2504	1480	6	**capensis**					1			
2505	1481	7	**eoclivus**			1	1				
2506	1482	8	**famiheius**				1				
2507	1483	9	**flavellus**								1
2508	1484	10	**fordi**					1			
2509	1485	11	**fusiger**						1		
2510	1486	12	**graminicola**			1					
2511	1487	13	**hamatus**			1					
2512	1488	14	**isigageheus**						1		
2513	1489	15	**kamidenticularis**				1				

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	PARAMETRIOCNEMUS contd								
2514	1490	16	**kurilensis**				1				
2515	1491	17	**kurolemeus**				1				
2516	1492	18	**lundbeckii**			1	?				
2517	1493	19	**ornaticornis**							1	
2518	1494	20	**scotti**					1			
2519	1495	21	**seiryukeleus**					1			
2520	1496	22	**shoukouzoensis**				1				
2521	1497	23	**stylatus**				1		1		
2522	1498	24	**togabilateralis**				1				
2523	1499	25	**togadigitatis**				1				
2524	1500	26	**togavirgus**				1				
2525	1501	27	**triquetrius**						1		
2526	1502	28	**tusimouveus**				1				
2527	1503	29	**tusimoveweus**				1				
2528	1504	30	**tusimoxeyeus**				1				
2529	1505	31	**valescurensis**				1				
2530	1506	32	**vespertinus**			1					
2531	1507	33	**zorinae**				1				
			"*lundbecki* (Joh.) var. "		§						
			sp. 1: Roback & Coffman		§						
			sp. 2: Roback & Coffman		§						
			sp. 3: Roback & Coffman		§						
			sp.: Coffman *et al*.						§		
			sp.: Watson & Heyn		§						
			sp.: Ospina-Torres *et al*.		§						
			sp.: Trivinho-Strixino		§						
			PARAPHAENOCLADIUS (25)	-	#	#	#	#	#	-	#
2532	1508	1	**brevinervis**			1	1				
2533	1509	2	**crassicaudatus**					1			
2534	1510	3	**cuneipennis**					1			
2535	1511	4	**dewulfi**				1	1			
2536	1512	5	**exagitans**		1	1	1		1		
			exagitans subsp. **exagitans**			[ss]	[ss]		[ss]		
			exagitans subsp. **longipes**		[ss]						
			exagitans subsp. **monticola**				[ss]				
2537	1513	6	**ikineous**				1				
2538	1514	7	**impensus**			1	1		1		
			impensus subsp. **contractus**				[ss]		[ss]		
			impensus subsp. **croceus**				[ss]		[ss]		
			impensus subsp. **impensus**			[ss]	[ss]				

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	PARAPHAENOCLADIUS contd								
2539	1515	8	**innasus**			1					
2540	1516	9	**intercedens**				1				
2541	1517	10	**irritus**			1	1				
			irritus subsp. **irritus**				[ss]				
			irritus subsp. **longiocostatus**			[ss]					
2542	1518	11	**kunashiricus**				1				
2543	1519	12	**kuromeneus**				1				
2544	1520	13	**monticola**				1				
2545	1521	14	**nasthecus**			1	1				
2546	1522	15	**ogasadecimus**								1
2547	1523	16	**penerasus**				1				
2548	1524	17	**proprius**						1		
2549	1525	18	**pseudirritus**			1	1				
			pseudirritus subsp. **maurus**				[ss]				
			pseudirritus subsp. **nearcticus**			[ss]					
			pseudirritus subsp. **pseudirritus**				[ss]				
2550	1526	19	**pusillus**			1	1				
2551	1527	20	**seiryulemeus**				1				
2552	1528	21	**siratoritertius**				1				
2553	1529	22	**tonsuratus**			1					
2554	1530	23	**toyamaxeyus**				1				
2555	1531	24	**triangulus**				1				
2556	1532	25	**yakyheius**				1				
			sp.: Roback & Coffman		§						
			PARAPSECTROCLADIUS (4)	-	#	-	-	-	-	-	-
2557	1533	1	**acuminatus**		1						
2558	1534	2	**escondido**		1						
2559	1535	3	**longistylus**		1						
2560	1536	4	**reissi**		1						
			PARASMITTIA (2)	-	-	#	#	-	-	-	-
2561	1537	1	**carinata**			1	1				
2562	1538	2	**kamiacuta**				1				
			PARATRICHOCLADIUS (27)	-	#	#	#	#	#	#	-
2563	1539	1	**aberrans**				1				
2564	1540	2	**ater**				1				
2565	1541	3	**brevicornis**						1		
2566	1542	4	**gayi**				1				
2567	1543	5	**gotoefeus**				1				
2568	1544	6	**guidalii**				1				
2569	1545	7	**hamatus**						1		

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	PARATRICHOCLADIUS contd								
2570	1546	8	**lanzavecchiai**				1				
2571	1547	9	**micans**				1	1			
2572	1548	10	**mongolseteus**				1				
2573	1549	11	**nitidus**			1					
2574	1550	12	**nivalis**				1				
2575	1551	13	**orientalis**				1				
2576	1552	14	**osellai**				1				
2577	1553	15	**pierfrancescoi**				1				
2578	1554	16	**pierretti**					1			
2579	1555	17	**pluriserialis**							1	
2580	1556	18	**pretorianus**					1			
2581	1557	19	**rufiventris**			1	1		1		
2582	1558	20	**skirwithensis**			1	1				
2583	1559	21	**spiesi**				1				
2584	1560	22	**tamaater**				1				
2585	1561	23	**tobanonadecimus**						1		
2586	1562	24	**tridens**						1		
2587	1563	25	**unabrevis**				1				
2588	1564	26	**veronicae**				1				
2589	1565	27	**yakukeleus**				1				
			sp.: (Brundin)		§						
			sp.: (Brundin)		§						
			sp.: Watson & Heyn		§						
			sp.: Andersen *et al*.			§					
			PARATRISSOCLADIUS (3)	-	-	#	#	#	#	-	-
2590	1566	1	**excerptus**				1	?	1		
			excerptus subsp. **excerptus**				[ss]	?	[ss]		
			excerptus subsp. **pubis**						[ss]		
2591	1567	2	**lawrencensis**			1					
2592	1568	3	**natalensis**					1			
			sp.: Coffman *et al*.						§		
			PARORTHOCLADIUS (7)	-	-	#	#	#	#	-	-
2593	1569	1	**concretus**				1				
2594	1570	2	**cristatus**						1		
2595	1571	3	**furudoquartus**				1				
2596	1572	4	**korneyevi**				1				
2597	1573	5	**negoroi**				1				
2598	1574	6	**nudipennis**				1				
2599	1575	7	**unicentrus**						1		
			sp.: Cranston *et al*.					§			

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	PARORTHOCLADIUS contd								
			sp.: Roback & Coffman						§		
			sp.: Oliver *et al*.			§					
			PAULFREEMANIA (1)	-	-	-	-	-	-	#	-
2600	1576	1	**pictipennis**							1	
			PETALOCLADIUS (1)	-	#	-	-	-	-	-	-
2601	1577	1	**setosus**		1						
			PHYSONEURA (4)	-	#	-	-	-	-	-	-
2602	1578	1	**costalis**		1						
2603	1579	2	**minuscula**		1						
2604	1580	3	**nigroflava**		1						
2605	1581	4	**paulseni**		1						
			PHYTOTELMATOCLADIUS (1	-	#	#	-	-	-	-	-
2606	1582	1	**delarosai**		1	1					
			PIRARA (3)	-	#	-	-	-	-	#	-
2607	1583	1	**australiensis**							1	
2608	1584	2	**edwardi**		1						
2609	1585	3	**matakiri**							1	
			PLATYSMITTIA (2)	-	-	#	#	-	-	-	-
2610	1586	1	**bilyji**			1	1				
2611	1587	2	**fimbriata**			1					
			PLHUDSONIA (2)	-	-	#	#	-	-	-	-
2612	1588	1	**acuticauda**				1				
2613	1589	2	**partita**			1					
			PROPSILOCERUS (9)	-	-	#	#	-	#	-	-
2614	1590	1	**akamusi**				1		1		
2615	1591	2	**amurensis**				1				
2616	1592	3	**jacuticus**				1				
2617	1593	4	**lacustris**				1				
2618	1594	5	**paradoxus**				1				
2619	1595	6	**saetheri**				1				
2620	1596	7	**sinicus**				1				
2621	1597	8	**taihuensis**						1		
2622	1598	9	**taimyrus**				1				
			sp.: Cranston *et al*.			§					
			PROSMITTIA (15)	-	-	-	#	-	-	-	-
2623	1599	1	**anyuiica**				1				
2624	1600	2	**furudoseptima**				1				
2625	1601	3	**hibaraundecima**				1				
2626	1602	4	**itachinudiocula**				1				
2627	1603	5	**itachituberculata**				1				

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	PROSMITTIA contd								
2628	1604	6	jemtlandica				1				
2629	1605	7	kamiquarta				1				
2630	1606	8	kibaprima				1				
2631	1607	9	rectangularis				1				
2632	1608	10	taishodeea				1				
2633	1609	11	tauiensis				1				
2634	1610	12	togacurva				1				
2635	1611	13	valentinae				1				
2636	1612	14	verae				1				
2637	1613	15	yakytaira				1				
			PSECTROCLADIUS (62)	-	#	#	#	#	#	-	-
			Subg. ALLOPSECTROCLADIUS (8)	-	-	#	#	-	-	-	-
2638	1614	1	conjungens				1				
2639	1615	2	flavus			1					
2640	1616	3	nigrus			1					
2641	1617	4	obvius			1	1				
2642	1618	5	pilosus			1					
2643	1619	6	platypus				1				
2644	1620	7	shofukuoctavus				1				
2645	1621	8	shofukunonus				1				
			Subg. MESOPSECTROCLADIUS (2)	-	-	-	#	-	-	-	-
2646	1622	9	barbatipes				1				
2647	1623	10	seiryuheius				1				
			Subg. MONOPSECTROCLADIUS (2)	-	-	#	#	-	-	-	-
2648	1624	11	calcaratus			1	1				
2649	1625	12	yukawana				1				
			Subg. PSECTROCLADIUS (46)	-	#	#	#	#	#	-	-
2650	1626	13	aquatronus				1				
2651	1627	14	barbatimanus			1					
2652	1628	15	barbimanus			1	1				
2653	1629	16	bisetus				1				
2654	1630	17	borealis				1				
2655	1631	18	brehmi				1				
2656	1632	19	delatoris				1				
2657	1633	20	dendrophilus				1				
2658	1634	21	dubius			1					
			dubius subsp. dubius			[ss]					
			dubius subsp. keoweensis			[ss]					
2659	1635	22	elatus			1					
2660	1636	23	fabricus				1				

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	PSECTROCLADIUS contd								
			Subg. PSECTROCLADIUS contd								
2661	1637	24	famifegeus				1				
2662	1638	25	fennicus			1	1				
2663	1639	26	formosae						1		
2664	1640	27	gotoheius				1				
2665	1641	28	inawaopeus				1				
2666	1642	29	jintuoctadecimus				1				
2667	1643	30	kangi				1				
2668	1644	31	limbatellus			1	1				
2669	1645	32	litofilus				1				
2670	1646	33	longipennis				1				
2671	1647	34	nevalis				1				
2672	1648	35	octomaculatus				1				
2673	1649	36	oligosetus				1				
2674	1650	37	oxyura				1				
2675	1651	38	pancratovae				1				
2676	1652	39	polaris			1	1				
2677	1653	40	pseudostilatus				1				
2678	1654	41	psilopterus			1	1				
2679	1655	42	schlienzi				1				
2680	1656	43	semicirculatus			1					
2681	1657	44	sensilipes			1					
2682	1658	45	simulans			1	1				
2683	1659	46	sokolovae				1				
2684	1660	47	sordidellus			1	1				
2685	1661	48	subsenilis			1					
2686	1662	49	togaminimus				1				
2687	1663	50	tusimoreseus				1				
2688	1664	51	tusimoseteus				1				
2689	1665	52	ventricosus				1				
2690	1666	53	vernalis			1					
2691	1667	54	versatilis				1				
2692	1668	55	viridescens					1			
2693	1669	56	yunoquartus				1				
2694	1670	57	zelentzovi				1				
2695	1671	58	zetterstedti			1	1				
			sp. 2 (*psilopterus* group)		§						
			"*sordidellus* gr. sp."						§		
			PSECTROCLADIUS ?Subgenus (4)	-	-	#	#	-	-	-	-
2696	1672	59	brachiurus				1				

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	PSECTROCLADIUS contd								
			PSECTROCLADIUS ?Subgenus contd								
2697	1673	60	brevicosta			1					
2698	1674	61	pseudogigas				1				
2699	1675	62	spinifer			1					
			PSEUDORTHOCLADIUS (52)	-	-	#	#	#	#	-	-
			Subg. LORDELLA (1)	-	-	#	-	-	-	-	-
2700	1676	1	wingoi			1					
			Subg. PSEUDORTHOCLADIUS (51)	-	-	#	#	#	#	-	-
2701	1677	2	akagitertius				1				
2702	1678	3	albiventris				1				
2703	1679	4	amamikonaseus						1		
2704	1680	5	amplicaudus			1					
2705	1681	6	barbatus				1				
2706	1682	7	bernadetti					1			
2707	1683	8	berthelemyi				1				
2708	1684	9	clavatosus			1					
2709	1685	10	cristagus				1				
2710	1686	11	cristatus				1				
2711	1687	12	curticornus			1					
2712	1688	13	curtistylus			1	1		1		
2713	1689	14	destitutus			1					
2714	1690	15	dumicaudus			1					
2715	1691	16	filiformis				1				
2716	1692	17	fujigaprimus				1				
2717	1693	18	fujioctavus				1				
2718	1694	19	fujiquintus				1				
2719	1695	20	furudodecimus				1				
2720	1696	21	ikilemeus				1				
2721	1697	22	insularis				1				
2722	1698	23	isigafegeus						1		
2723	1699	24	jintusexdecima				1				
2724	1700	25	jintutridecima				1				
2725	1701	26	kurobesugoidus				1				
2726	1702	27	labayi				1				
2727	1703	28	lunatus			1					
2728	1704	29	macrostomus			1					
2729	1705	30	macrovirgatus			1	1				
2730	1706	31	matusecundus				1				
2731	1707	32	mongolyezeus				1				
2732	1708	33	mongolzebea				1				

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	PSEUDORTHOCLADIUS contd								
			Subg. PSEUDORTHOCLADIUS contd								
2733	1709	34	morsei			1					
2734	1710	35	multisetus				1				
2735	1711	36	oyabecrassus				1				
2736	1712	37	paravirgatus			1					
2737	1713	38	pilosipennis			1	1				
2738	1714	39	prolixistylus						1		
2739	1715	40	rectangilobus			1	1				
2740	1716	41	rectilobus			1	1				
2741	1717	42	retusus						1		
2742	1718	43	similis					1			
2743	1719	44	tairasecundus				1				
2744	1720	45	togakuroidus				1				
2745	1721	46	tricanthus			1					
2746	1722	47	tsubakuroensis				1				
2747	1723	48	tusimoquereus				1				
2748	1724	49	uniserratus			1					
2749	1725	50	yakuveweus				1				
2750	1726	51	yakuwexeus				1				
2751	1727	52	yakuxeyeus				1				
			PSEUDOSMITTIA (93)	-	#	#	#	#	#	#	#
2752	1728	1	aculeathrix			1					
2753	1729	2	acutilobata			1					
2754	1730	3	adunca		1						
2755	1731	4	albipennis				1				
2756	1732	5	amorimi		1						
2757	1733	6	angusta			1	1				
2758	1734	7	baueri				1				
2759	1735	8	bicinctura							1	
2760	1736	9	bifurcata				1				1
2761	1737	10	brachydicrana		1			1		1	1
2762	1738	11	brevifurcata				1				
2763	1739	12	cambuciensis		1						
2764	1740	13	capicola					1			
2765	1741	14	carioca		1						
2766	1742	15	carita				1				
2767	1743	16	catarinense		1						
2768	1744	17	christmasensis								1
2769	1745	18	conjuncta				1				
2770	1746	19	cristagata			1			1		

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	PSEUDOSMITTIA contd								
2771	1747	20	cunealata					1			
2772	1748	21	danconai			1	1	1			
2773	1749	22	digitata		1	1					
2774	1750	23	digitrienta						1		
2775	1751	24	dolobrata			1					
2776	1752	25	dupla							1	1
2777	1753	26	duplicata				1				
2778	1754	27	forcipata		1	1	1		1		
2779	1755	28	fusata					1			
2780	1756	29	fusivenosa							1	1
2781	1757	30	gibbistyla		1						
2782	1758	31	gracilis			1	1				
2783	1759	32	guineensis					1	1		
2784	1760	33	hirtella					1			
2785	1761	34	holsata			1	1				
2786	1762	35	insulsa							1	1
2787	1763	36	invirgata		1						
2788	1764	37	joaquimvenancioi		1						
2789	1765	38	kauaiensis								1
2790	1766	39	kraussi							1	1
2791	1767	40	lamasi		1						
2792	1768	41	lamellata		1						
2793	1769	42	laticauda			1					
2794	1770	43	legonensis					1			
2795	1771	44	licina								1
2796	1772	45	littoralis				1				
2797	1773	46	longicornia				1				
2798	1774	47	macrobrachia								1
2799	1775	48	magdae		1						
2800	1776	49	malickyi						1		
2801	1777	50	mathildae			1	1		1		
2802	1778	51	melanostola					1			
2803	1779	52	nana		1						
2804	1780	53	navama			1					
2805	1781	54	nishiharaensis				1		1		
2806	1782	55	oahuensis								1
2807	1783	56	obtusa				1				
2808	1784	57	palauensis							1	
2809	1785	58	palpina		1						
2810	1786	59	paraconjuncta			1					1

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	PSEUDOSMITTIA contd								
2811	1787	60	parifusata					1			
2812	1788	61	parinavama			1					
2813	1789	62	paulista		1						
2814	1790	63	pedata			1					
2815	1791	64	pinhoi		1						
2816	1792	65	propetropis					1			
2817	1793	66	pugnata			1					
2818	1794	67	remigula					1			
2819	1795	68	reyei							1	
2820	1796	69	roquei		1						
2821	1797	70	rostriformis				1				
2822	1798	71	rotunda				1				
2823	1799	72	setiforceps							1	
2824	1800	73	siamensis						1		
2825	1801	74	simplex				1				
2826	1802	75	sirotskyi				1				
2827	1803	76	spinispinata			1					
2828	1804	77	subtrilobata					1			
2829	1805	78	tericristata							1	
2830	1806	79	tobaduovicesima						1		
2831	1807	80	tokaraneoa				1		1		
2832	1808	81	tokunagai							1	
2833	1809	82	topei				1	1	1		
2834	1810	83	triangula					1	1	1	1
2835	1811	84	trilobata				1				
2836	1812	85	triplex				1				
2837	1813	86	tropis		1						
2838	1814	87	umbonata		1						
2839	1815	88	uncata		1						
2840	1816	89	unniae					1			
2841	1817	90	windwardensis		1						
2842	1818	91	xanthostola					1			
2843	1819	92	yapensis								1
2844	1820	93	zonata							1	1
			PSILOMETRIOCNEMUS (2)	-	-	#	#	-	-	-	-
2845	1821	1	europaeus				1				
2846	1822	2	triannulatus			1					
			PTEROSIS (1)	-	-	-	-	-	-	#	-
2847	1823	1	wisei							1	

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	QINIELLA (3)	-	-	-	#	-	#	-	-
2848	1824	1	copa						1		
2849	1825	2	lii				1				
2850	1826	3	thai						1		
			RHAGOSMITTIA (1)	-	-	-	-	-	-	-	#
2851	1827	1	maculiventris								1
			RHEOCRICOTOPUS (70)	-	#	#	#	#	#	#	-
			Subg. PSILOCRICOTOPUS (47)	-	#	#	#	#	#	#	-
2852	1828	1	akagisecundus				1				
2853	1829	2	atripes				1				
2854	1830	3	bicornuatus						1		
2855	1831	4	bifasciatus						1		
2856	1832	5	brachypus						1		
2857	1833	6	calviculus				1				
2858	1834	7	capensis					1			
2859	1835	8	cereofasciatus					1			
2860	1836	9	chalybeatus				1				
			chalybeatus subsp. bicoloratus				[ss]				
			chalybeatus subsp. chalybeatus				[ss]				
2861	1837	10	chapmani			1	1				
2862	1838	11	conflusirus			1					
2863	1839	12	constrictus						1		
2864	1840	13	emeiensis						1		
2865	1841	14	frequens						1		
2866	1842	15	gallicus				1				
2867	1843	16	glabricollis			1	1				
2868	1844	17	godavarius						1		
2869	1845	18	gotocedeus				1				
2870	1846	19	hidakadeeus				1				
2871	1847	20	himalayensis						1		
2872	1848	21	imperfectus				1				
2873	1849	22	insularis				1				
2874	1850	23	intermedius				1				
2875	1851	24	isigadeeus						1		
2876	1852	25	kamimonji				1				
2877	1853	26	kurocedeus				1				
2878	1854	27	lindbergi				1				
2879	1855	28	lobalis						1		
2880	1856	29	mediocris						1		
2881	1857	30	metallescens					1			
2882	1858	31	nemoacrostichalis						1		

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	RHEOCRICOTOPUS contd								
			Subg. PSILOCRICOTOPUS contd								
2883	1859	32	nigrus				1		1		
2884	1860	33	notabilis				1				
2885	1861	34	nudisquamus				1				
2886	1862	35	oiraprimus				1				
2887	1863	36	okifoveatus						1		
2888	1864	37	rarispina						1		
2889	1865	38	rigidus						1		
2890	1866	39	robacki			1					
2891	1867	40	sirventorum		1						
2892	1868	41	subacutus				1				
2893	1869	42	taiwanensis						1		
2894	1870	43	tirolus				1				
2895	1871	44	tobatervicesimus						1		
2896	1872	45	tokarakeleus						1		
2897	1873	46	valgus						1		
2898	1874	47	villiculus						1		
			sp.: Ashe						§		
			sp.: Cranston							§	
			Subg. RHEOCRICOTOPUS (23)	-	-	#	#	-	#	-	-
2899	1875	48	amamipubescia						1		
2900	1876	49	amplicristatus			1					
2901	1877	50	baishanensis				1				
2902	1878	51	effusoides			1	1				
2903	1879	52	effusus			1	1		1		
2904	1880	53	eminellobus			1	1				
2905	1881	54	fuscipes				1				
2906	1882	55	inaquereus				1				
2907	1883	56	inaxeyeus				1				
2908	1884	57	nepalensis						1		
2909	1885	58	orientalis						1		
2910	1886	59	pauciseta			1	1				
2911	1887	60	reduncus				1				
2912	1888	61	shofukusecundus				1				
2913	1889	62	tamahumeralis				1				
2914	1890	63	tatequintus				1				
2915	1891	64	tedorisecundus				1				
2916	1892	65	tibialis						1		
2917	1893	66	togapeniculus				1				
2918	1894	67	tshernovskii				1				

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	RHEOCRICOTOPUS contd								
			Subg. RHEOCRICOTOPUS contd								
2919	1895	68	**tuberculatus**			1					
2920	1896	69	**unidentatus**			1					
2921	1897	70	**yakulemeus**				1				
			RHEOCRICOTOPUS ?Subgenus	-	#	-	-	-	#	#	-
			sp.: Roback & Coffman		§						
			sp.: Coffman *et al*.						§		
			sp.: Cranston *et al*.		§						
			sp.: Ospina-Torres *et al*.		§						
			sp. 1: Haase & Nolte							§	
			RHEOSMITTIA (5)	-	-	#	#	-	#	-	-
2922	1898	1	**arcuata**			1	1				
2923	1899	2	**hamulata**				1				
2924	1900	3	**languida**				1				
2925	1901	4	**spinicornis**				1				
2926	1902	5	**yakytriangulata**				1				
			sp.: Cranston & Sæther				§				
			sp.: Cranston & Sæther						§		
			sp.: Coffman *et al*.						§		
			sp.: Oliver *et al*.			§					
			RHINOCLADIUS (3)	-	#	-	-	-	-	#	-
2927	1903	1	**culicinus**		1						
2928	1904	2	**longirostris**		1						
2929	1905	3	**tonnoiri**							1	
			SAETHERIELLA (1)	-	-	#	-	-	-	-	-
2930	1906	1	**amplicristata**			1					
			SAETHEROCLADIUS (5)	-	#	-	-	-	-	-	-
2931	1907	1	**fuscus**		1						
2932	1908	2	**fusticulus**		1						
2933	1909	3	**hirtus**		1						
2934	1910	4	**triangulatus**		1						
2935	1911	5	**urubiciensis**		1						
			SAETHEROCRYPTUS (2)	-	#	-	-	-	-	-	-
2936	1912	1	**clavatus**		1						
2937	1913	2	**temimino**		1						
			SAETHEROLABIS (3)	-	#	-	-	-	-	-	-
2938	1914	1	**iperuype**		1						
2939	1915	2	**pectinata**		1						
2940	1916	3	**siriype**		1						

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	SAETHEROPS (1)	-	#	-	-	-	-	-	-
2941	1917	1	bidentata		1						
			SASACRICOTOPUS (1)	-	-	-	#	-	-	-	-
2942	1918	1	jintusecundus				1				
			SEMIOCLADIUS (6)	-	-	-	#	#	-	#	#
2943	1919	1	brevicornis					1		1	1
2944	1920	2	crassipennis							1	
2945	1921	3	endocladiae				1				1
2946	1922	4	kuscheli							1	
2947	1923	5	reinga							1	
2948	1924	6	whangaroa							1	
			SMITTIA (83)	-	?	#	#	#	#	#	#
2949	1925	1	abiskoensis				1				
2950	1926	2	abruzzae				1				
2951	1927	3	admiranda				1				
2952	1928	4	akanduodecima				1				
2953	1929	5	alpicola				1				
2954	1930	6	alpilonga				1				
2955	1931	7	amoena				1				
2956	1932	8	antelobata				1				
2957	1933	9	arctica			1	1				
2958	1934	10	aterrima			1	1		1	1	
2959	1935	11	atra					1			
2960	1936	12	avicorneata						1		
2961	1937	13	betuletorum				1				
2962	1938	14	brevipennis				1				
2963	1939	15	capensis					1			
2964	1940	16	celtica				1				
2965	1941	17	contingens				1				
2966	1942	18	controversa				1				
2967	1943	19	crassicollis			1					
2968	1944	20	duplicata				1				
2969	1945	21	durandae				1				
2970	1946	22	edwardsi			1	1				
2971	1947	23	extrema			1	1				
2972	1948	24	fletcheri					1			
2973	1949	25	flexinervis				1				
2974	1950	26	foliosa				1				
2975	1951	27	gunmaquinta				1				
2976	1952	28	gusukuensis						1		
2977	1953	29	hidakaijea				1				

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	SMITTIA contd								
2978	1954	30	indica						1		
2979	1955	31	insignis				1				
2980	1956	32	itachipennis				1				
2981	1957	33	joganbrevicosta				1				
2982	1958	34	kisoquadrata				1				
2983	1959	35	kojimagrandis				1				
2984	1960	36	kribiensis					1			
2985	1961	37	kurobepubeocula				1				
2986	1962	38	lasiophthalma			1	1				
2987	1963	39	lasiops			1	1				
2988	1964	40	leucopogon				1				
2989	1965	41	longivirga				1				
2990	1966	42	macrura				1				
2991	1967	43	maculipennis					1			
2992	1968	44	mahensis					1			
2993	1969	45	mauiensis								1
2994	1970	46	megalochira					1			
2995	1971	47	niitakana						1		
2996	1972	48	nudipennis				1				
2997	1973	49	paranudipennis				1				
2998	1974	50	parva			1					
2999	1975	51	polaris			1					
3000	1976	52	polymorpha			1					
3001	1977	53	pratorum		?	1	1				
3002	1978	54	reissi				1				
3003	1979	55	retracta							1	
3004	1980	56	roena			1					
3005	1981	57	rostrata				1				
3006	1982	58	rupicola				1				
3007	1983	59	sainokoensis				1				
3008	1984	60	scutellosetosa				1				
3009	1985	61	seiryuvewea				1				
3010	1986	62	seiryuwexea				1				
3011	1987	63	sekii				1				
3012	1988	64	seppfittkaui				1				
3013	1989	65	shofukuduodecima				1				
3014	1990	66	shofukuquardecima				1				
3015	1991	67	shofukutridecima				1				
3016	1992	68	stercoraria				1				
3017	1993	69	subnigra					1			

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	SMITTIA contd								
3018	1994	70	subnudipennis			1					
3019	1995	71	superata				1				
3020	1996	72	tenuispina						1		
3021	1997	73	terrestris				1				
3022	1998	74	thalassicola				1				
3023	1999	75	togapenis				1				
3024	2000	76	togaquirea				1				
3025	2001	77	toyamasetea				1				
3026	2002	78	tusimoyezea				1				
3027	2003	79	unicapitis						1		
3028	2004	80	uresifegea				1				
3029	2005	81	velutina			1					
3030	2006	82	verna							1	
3031	2007	83	vesparum				1				
			sp.: Brundin							§	
			sp.: Cheng & Hogue			§					
			sp.: Sæther & Andersen					§			
			STACKELBERGINA (1)	-	-	-	#	-	-	-	-
3032	2008	1	praeclara			1	1				
			STICTOCLADIUS (18)	-	#	#	-	-	-	#	-
3033	2009	1	acrilobus		1						
3034	2010	2	acutus		1						
3035	2011	3	calonotum		1						
3036	2012	4	fimbriatus		1						
3037	2013	5	flavozonatus		1						
3038	2014	6	fovigus		1						
3039	2015	7	lacuniferus							1	
3040	2016	8	multiserialis							1	
3041	2017	9	nudiventer		1						
3042	2018	10	occidentalis							1	
3043	2019	11	pictus							1	
3044	2020	12	prati		1						
3045	2021	13	privicalcar		1						
3046	2022	14	prostatus		1						
3047	2023	15	pulchripennis		1						
3048	2024	16	sofour							1	
3049	2025	17	uniserialis							1	
3050	2026	18	victoriensis							1	
			sp. G: Sæther & Cranston			§					

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	STILOCLADIUS (6)	-	-	#	#	-	-	-	-
3051	2027	1	clinopecten			1					
3052	2028	2	intermedius				1				
3053	2029	3	kurobekeyakius				1				
3054	2030	4	montanus				1				
3055	2031	5	orientalis				1				
3056	2032	6	tusimogeheus				1				
			SUBLETTIELLA (1)	-	-	#	-	-	-	-	-
3057	2033	1	calvata			1					
			SYMBIOCLADIUS (6)	-	#	#	#	-	-	#	-
			Subg. ACLETIUS (3)	-	#	-	-	-	-	#	-
3058	2034	1	aurifodinae							1	
3059	2035	2	renatae		1						
3060	2036	3	wygodzinskyi		1						
			Subg. SYMBIOCLADIUS (3)	-	-	#	#	-	-	-	-
3061	2037	4	chattahoocheensis			1					
3062	2038	5	equitans			1					
3063	2039	6	rhithrogenae				1				
			SYNORTHOCLADIUS (8)	-	#	#	#	#	#	#	-
3064	2040	1	asamasecundus				1				
3065	2041	2	bifidus						1		
3066	2042	3	ginzanpequea				1				
3067	2043	4	lobiger					1			
3068	2044	5	mongolwexeus				1				
3069	2045	6	semivirens			1	1		1		
3070	2046	7	tamaparvulus				1				
3071	2047	8	tusimoijekeus				1				
			"cf. *semivirens* (Kieffer)"						§		
			sp.: Cranston & Martin							§	
			sp.: Watson & Heyn		§						
			TAVASTIA (5)	-	-	#	#	-	-	-	-
3072	2048	1	alticrista				1				
3073	2049	2	australis				1				
3074	2050	3	cristacauda			1					
3075	2051	4	pilipecta			1					
3076	2052	5	yggdrasilia				1				
			TEMPISQUITONEURA (1)	-	#	#	-	-	-	-	-
3077	2053	1	merrillorum		1	1					
			TETHYMYIA (1)	-	-	#	-	-	-	-	-
3078	2054	1	aptena			1					

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	THALASSOSMITTIA (10)	-	#	#	#	#	-	-	-
3079	2055	1	atlantica				1				
3080	2056	2	christinae					1			
3081	2057	3	clavicornis			1					
3082	2058	4	ikiijea				1				
3083	2059	5	marina			1					
3084	2060	6	montana				1				
3085	2061	7	nemalione				1				
3086	2062	8	pacifica			1					
3087	2063	9	thalassophila				1				
3088	2064	10	tusimoefea				1				
			sp.: Spies & Reiss		§						
			THIENEMANNIA (8)	-	-	#	#	-	#	-	-
3089	2065	1	fulvofasciata				1				
3090	2066	2	fuscitheca						1		
3091	2067	3	gracei				1		1		
3092	2068	4	gracilis				1				
3093	2069	5	libanica				1				
3094	2070	6	lutea						1		
3095	2071	7	paasivirtai				1				
3096	2072	8	pilinucha			1					
			THIENEMANNIELLA (49)	-	#	#	#	#	#	#	#
3097	2073	1	absens				1		1		
3098	2074	2	acuticornis				1		1		
3099	2075	3	akagiquarta				1				
3100	2076	4	antennata					1			
3101	2077	5	boltoni			1					
3102	2078	6	burjatica				1				
3103	2079	7	caspersi				1				
3104	2080	8	cavata					1			
3105	2081	9	chuzeduodecima				1				
3106	2082	10	clavicornis				1		1		
3107	2083	11	elana			1					
3108	2084	12	flavescens				1				
3109	2085	13	flaviscutella				1				
3110	2086	14	fuga					1			
3111	2087	15	ginzanquerea				1		1		
3112	2088	16	ginzanquinta				1		1		
3113	2089	17	gotopallida				1				
3114	2090	18	hainanensis						1		
3115	2091	19	liae		1						

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	THIENEMANNIELLA contd								
3116	2092	20	lineola					1			
3117	2093	21	lobapodema			1					
3118	2094	22	lutea				1				
3119	2095	23	majuscula			1	1				
3120	2096	24	medialis		1						
3121	2097	25	minuscula			1	1				
3122	2098	26	nagaramaculata				1				
3123	2099	27	nipponica				1		1		
3124	2100	28	obscura				1		1		
3125	2101	29	ogasaquardecima								1
3126	2102	30	ogasaquindecima								1
3127	2103	31	okigrata						1		
3128	2104	32	oyabedilata				1				
3129	2105	33	partita				1				
3130	2106	34	safi					1			
3131	2107	35	sichuana						1		
3132	2108	36	similis		1	1					
3133	2109	37	spreta		1						
3134	2110	38	taurocapita			1					
3135	2111	39	tiunovae			1	1				
3136	2112	40	togamijika				1		1		
3137	2113	41	tonewquerea				1				
3138	2114	42	triangula						1		
3139	2115	43	trivittata					1			
3140	2116	44	tusimuefea				1				
3141	2117	45	tusimufegea				1		1		
3142	2118	46	vittata				1				
3143	2119	47	wuyiensis						1		
3144	2120	48	xena			1	1		1		
3145	2121	49	yakysetea				1		1		
			sp.: Coffman *et al*.						§		
			sp.: Ashe						§		
			sp. 1: Haase & Nolte							§	
			sp. 2: Haase & Nolte							§	
			TOKUNAGAIA (54)	-	-	#	#	-	#	-	-
3146	2122	1	ambigua				1				
3147	2123	2	asamaquinta				1				
3148	2124	3	biconvexa				1				
3149	2125	4	chuzenona				1				
3150	2126	5	excellens			1	1				

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	TOKUNAGAIA contd								
3151	2127	6	fasciata						1		
3152	2128	7	fujisexta				1				
3153	2129	8	gotoijea				1				
3154	2130	9	ikiopea				1				
3155	2131	10	ikip				1				
3156	2132	11	interdicta				1				
3157	2133	12	jintunonadecima				1				
3158	2134	13	jintuquinta				1				
3159	2135	14	jintuseptdecima				1				
3160	2136	15	kamiarata				1				
3161	2137	16	kamicedea				1				
3162	2138	17	kibunensis				1				
3163	2139	18	kinkaensis				1				
3164	2140	19	kurobedilata				1				
3165	2141	20	kurobespeciosa				1				
3166	2142	21	kurodeea				1		1		
3167	2143	22	kuroefea				1				
3168	2144	23	kurofegea				1				
3169	2145	24	moribrevis				1				
3170	2146	25	morigrandis				1				
3171	2147	26	obriaini			1					
3172	2148	27	oleantoni				1				
3173	2149	28	oyabebrevicosta				1				
3174	2150	29	parexcellens				1				
3175	2151	30	pseudorowensis				1				
3176	2152	31	quadrulata						1		
3177	2153	32	rectangularis				1				
3178	2154	33	rowensis			1	1				
3179	2155	34	scutellata				1				
3180	2156	35	shofukudecima				1				
3181	2157	36	sikimiensis				1				
3182	2158	37	singula				1				
3183	2159	38	spinosa						1		
3184	2160	39	subulata				1				
3185	2161	40	tatyanae				1				
3186	2162	41	togaduodecima				1				
3187	2163	42	togaeudecima				1				
3188	2164	43	togaeunona				1				
3189	2165	44	togaeuoctava				1				
3190	2166	45	togaeuprima				1				

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	TOKUNAGAIA contd								
3191	2167	46	togaeuseptima				1				
3192	2168	47	togaquardecima				1				
3193	2169	48	togatridecima				1				
3194	2170	49	togaundecima				1				
3195	2171	50	togauvea				1				
3196	2172	51	tonollii				1				
3197	2173	52	tusimolemea				1				
3198	2174	53	tusimoneoa				1				
3199	2175	54	unicentrata						1		
			sp. A: Halvorsen & Sæther						§		
			sp. B: Halvorsen & Sæther			§					
			TOKYOBRILLIA (2)	-	-	-	#	#	#	-	-
3200	2176	1	anderseni					1			
3201	2177	2	tamamegaseta				1		1		
			TONEGAYUSURIKA (1)	-	-	-	#	-	-	-	-
3202	2178	1	tonewpequea				1				
			TONNOIROCLADIUS (1)	-	-	-	-	-	-	#	-
3203	2179	1	commensalis							1	
			TRICHOCHILUS (1)	-	-	#	-	-	-	-	-
3204	2180	1	lacteipennis			1					
			TRICHOSMITTIA (2)	-	-	-	#	-	-	-	-
3205	2181	1	hikosana				1				
3206	2182	2	yakybecea				1				
			TRISSOCLADIUS (2)	-	-	-	#	-	-	-	-
3207	2183	1	brevipalpis				1				
3208	2184	2	heterocerus				1				
			TRONDIA (1)	-	-	-	-	-	-	#	-
3209	2185	1	anderseni							1	
			TSUDAYUSURIKA (4)	-	-	-	#	-	#	-	-
3210	2186	1	cladochaita						1		
3211	2187	2	fudosecunda				1				
3212	2188	3	multiannulata						1		
3213	2189	4	yufunivea				1				
			TVETENIA (23)	-	-	#	#	#	#	-	-
3214	2190	1	altimontana				1				
3215	2191	2	bavarica				1				
3216	2192	3	boreomontana				1				
3217	2193	4	calvescens			1	1				
3218	2194	5	debilis						1		
3219	2195	6	discoloripes				1				

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	TVETENIA contd								
3220	2196	7	duodenaria			1	1				
3221	2197	8	furudotertia				1				
3222	2198	9	ginzanopea				1				
3223	2199	10	gotogehea				1				
3224	2200	11	jokasexta				1				
3225	2201	12	nagaokensis				1				
3226	2202	13	paucunca			1					
3227	2203	14	taishoefea				1				
3228	2204	15	tamaflava				1				
3229	2205	16	togaeuquarta				1				
3230	2206	17	tokaraopea						1		
3231	2207	18	tonedeea				1				
3232	2208	19	tonegehea				1				
3233	2209	20	toyamaijea				1				
3234	2210	21	tshernovskii			1	1				
3235	2211	22	verralli				1				
3236	2212	23	yakumenea				1				
			sp.: Cranston *et al*.					§			
			UBATUBANEURA (1)	-	#	-	-	-	-	-	-
3237	2213	1	atlantica		1						
			UNNIELLA (1)	-	-	#	-	-	-	-	-
3238	2214	1	multivirga			1					
			VIVACRICOTOPUS (3)	-	-	#	#	-	-	-	-
3239	2215	1	ablusus				1				
3240	2216	2	elgandzha				1				
3241	2217	3	piloculus			1	1				
			sp. 1: Makarchenko & Makarchenko				§				
			XYLOTOPUS (3)	-	-	#	-	-	#	-	-
3242	2218	1	amamiapiatus						1		
3243	2219	2	burmanensis						1		
3244	2220	3	par			1					
			ZALUTSCHIA (15)	-	-	#	#	-	-	-	-
3245	2221	1	briani			1					
3246	2222	2	furcarca			1					
3247	2223	3	humphriesiae				1				
3248	2224	4	lingulata			1					
3249	2225	5	mallae				1				
3250	2226	6	megastyla				1				
3251	2227	7	mucronata				1				
3252	2228	8	obsepta			1					

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	ZALUTSCHIA contd								
3253	2229	9	pusa			1					
3254	2230	10	tatrica			1	1				
3255	2231	11	tornetraeskensis				1				
3256	2232	12	trigonacies			1	1				
3257	2233	13	vockerothi			1					
3258	2234	14	xethis			1					
3259	2235	15	zalutschicola			1	1				
			Valid Generically Unplaced (40)	-	#	-	#	#	#	#	#
3260	2236	1	adjectus							1	1
3261	2237	2	aequalis							1	
3262	2238	3	albiclava					1			
3263	2239	4	albitarsis		1						
3264	2240	5	aurantiacus		1						
3265	2241	6	brachypus		1						
3266	2242	7	brundini				1				
3267	2243	8	calomicra		1						
3268	2244	9	campestris								1
3269	2245	10	ceylanicus						1		
3270	2246	11	davisi								1
3271	2247	12	despectus						1		
3272	2248	13	dichromus						1		
3273	2249	14	eurycnemoides		1						
3274	2250	15	famijekeus				1				
3275	2251	16	fasciventris		1						
3276	2252	17	fernandezensis		1						
3277	2253	18	flavus						1		
3278	2254	19	formosanus						1		
3279	2255	20	grimshawi								1
3280	2256	21	griseovittatus		1						
3281	2257	22	herbicolus								1
3282	2258	23	heteropterus						1		
3283	2259	24	kadamtullaensis						1		
3284	2260	25	lateralis		1						
3285	2261	26	latiforceps		1						
3286	2262	27	luteibasis		1						
3287	2263	28	magellanica		1						
3288	2264	29	maorii							1	
3289	2265	30	membranisensoria								1
3290	2266	31	oriplanus						1		
3291	2267	32	patagonica		1						

TABLE 6 contd			ORTHOCLADIINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf		Valid Generically Unplaced contd								
3292	2268	33	peyerimhoffi				1				
3293	2269	34	restricta				1				
3294	2270	35	seiryuijeus				1				
3295	2271	36	subrostratus		1						
3296	2272	37	tenuicrus						1		
3297	2273	38	tonewneous				1				
3298	2274	39	tusimomeneus				1				
3299	2275	40	williamsi								1

TABLE 7. Summary of the number of genera recorded, for each subfamily, from the eignt zoogeographical regions, and the overall total for each region.

SUBFAMILY	AN	NT	NE	PA	AF	OR	AU	OC
BUCHONOMYIINAE (1)	0	1	0	1	0	1	0	0
CHILENOMYIINAE (1)	0	1	0	0	0	0	0	0
PODONOMINAE (15)	2	5	5	6	2	2	7	0
APHROTENIINAE (3)	0	2	0	0	1	0	3	0
TANYPODINAE (57)	0	26	40	39	20	24	20	5
USAMBAROMYIINAE (1)	0	0	0	0	1	0	0	0
DIAMESINAE (22)	0	6	11	14	2	8	3	0
PRODIAMESINAE (4)	0	2	4	4	0	2	0	0
TELMATOGETONINAE (2)	1	2	2	2	2	2	2	2
ORTHOCLADIINAE (174)	3	64	92	99	45	55	49	15
TOTAL	6	109	154	165	73	94	84	22

TABLE 8. Summary of the number of valid species recorded, for each subfamily, from the eight zoogeographical regions, and the overall total for each region.

SUBFAMILY	AN	NT	NE	PA	AF	OR	AU	OC
BUCHONOMYIINAE (3)	0	1	0	1	0	1	0	0
CHILENOMYIINAE (1)	0	1	0	0	0	0	0	0
PODONOMINAE (158)	3	85	15	17	4	3	36	0
APHROTENIINAE (8)	0	2	0	0	2	0	4	0
TANYPODINAE (575)	0	94	147	171	71	138	36	14
USAMBAROMYIINAE (1)	0	0	0	0	1	0	0	0
DIAMESINAE (216)	0	11	55	139	4	34	8	0
PRODIAMESINAE (23)	0	1	10	15	0	0	0	0
TELMATOGETONINAE (39)	3	11	7	6	4	5	8	13
ORTHOCLADIINAE (2275)	4	260	482	1287	167	286	112	45
TOTAL	10	466	716	1636	253	467	204	72

TABLE 9. Changes in the number of species added since Ashe *et al*. (1987: Table 3) for ten of the 11 subfamiles by zoogeographical region and the overall total for each region.

SUBFAMILY	AN	NT	NE	PA	AF	OR	AU	OC
BUCHONOMYIINAE	0	1	0	0	0	0	0	0
CHILENOMYIINAE	0	0	0	0	0	0	0	0
PODONOMINAE	1	2	2	4	1	0	3	0
APHROTENIINAE	0	0	0	0	0	0	0	0
TANYPODINAE	0	43	8	55	6	71	2	3
USAMBAROMYIINAE	0	0	0	0	1	0	0	0
DIAMESINAE	0	1	0	40	0	19	0	0
PRODIAMESINAE	0	0	0	4	0	0	0	0
TELMATOGETONINAE	1	1	0	1	1	2	0	0
ORTHOCLADIINAE	0	174	76	787	56	208	28	8
TOTAL	2	222	86	891	65	300	33	11

TABLE 10. Numbers and totals of valid taxa (genera, subgenera and species). *Includes the nominate subgenera. **Podonominae with 2 & Orthocladiinae with 19 subspecies.

SUBFAMILY	Genera	*Subgenera	Species	Total
BUCHONOMYIINAE	1	0	3	4
CHILENOMYIINAE	1	0	1	2
PODONOMINAE**	15	0	158 (+2)	173 (+2)
APHROTENIINAE	3	0	8	11
TANYPODINAE	57	11	575	643
USAMBAROMYIINAE	1	0	1	2
DIAMESINAE	22	4	216	242
PRODIAMESINAE	4	0	23	27
TELMATOGETONINAE	2	0	39	41
ORTHOCLADIINAE**	174	36	2275(+19)	2485(+19)
TOTAL	280	51	3299 (+21)	3651

TABLE 11. Numbers and totals of genus-group names both valid (genera & subgenera) and invalid (i.e. synonyms & nomina dubia).

SUBFAMILY	Valid	Synonyms	Nomina dubia	Total
BUCHONOMYIINAE	1	0	0	1
CHILENOMYIINAE	1	0	0	1
PODONOMINAE	15	10	1	26
APHROTENIINAE	3	1	0	4
TANYPODINAE	68	12	3	83
USAMBAROMYIINAE	1	0	0	1
DIAMESINAE	26	20	0	46
PRODIAMESINAE	4	1	0	5
TELMATOGETONINAE	2	11	0	13
ORTHOCLADIINAE	208	100	13	321
TOTAL	329	155	17	501

TABLE 12. Numbers and totals of valid and invalid species (i.e. synonyms & nomina dubia).

SUBFAMILY	Valid	Synonyms	Nomina dubia	Total
BUCHONOMYIINAE	3	0	0	3
CHILENOMYIINAE	1	0	0	1
PODONOMINAE	158	17	3	178
APHROTENIINAE	8	1	0	9
TANYPODINAE	575	266	183	1024
USAMBAROMYIINAE	1	0	0	1
DIAMESINAE	216	93	56	365
PRODIAMESINAE	23	25	3	51
TELMATOGETONINAE	39	9	0	48
ORTHOCLADIINAE	2275	766	704	3745
TOTAL	3299	1177	949	5425

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SUBFAMILY **ORTHOCLADIINAE**

ORTHOCLADIINAE KIEFFER, 1911: *Records of the Indian Museum* **6**(5): 345 (as "Orthocladiariae"). Type-genus: *Orthocladius* Wulp, 1874. Usage of the name Orthocladiinae validated by Opinion 2206 of the International Commission on Zoological Nomenclature (2008: *Bulletin of Zoological Nomenclature* **65**(3): 229-231). [**Note**]

ORTHOCLADIINI KIEFFER, 1911: *Records of the Indian Museum* **6**(5): 345 (as "Orthocladiariae"). Type-genus: *Orthocladius* Wulp, 1874. [**Note**]

ERETMOPTERINAE KELLOGG, 1900: *Biological Bulletin* **1**(2): 81 (as family Eretmopteridae). Type-genus: *Eretmoptera* Kellogg, 1900. [**Note**]

CLUNIONINAE KIEFFER, 1906: *Genera Insectorum* **42**: 3 (as "Clunioninæ"). Type-genus: *Clunio* Haliday, 1855. [**Note**]

CORYNONEURINI GOETGHEBUER, 1919: *Annales de Biologie Lacustre* **9**(1/3): 69 (as "Corynoneurariae"). Type-genus: *Corynoneura* Winnertz, 1846.

METRIOCNEMINI GOETGHEBUER in GOETGHEBUER & LENZ, 1940: *Die Fliegen der Palaearktischen Region* **13g**: 2. Type-genus: *Metriocnemus* Wulp, 1874.

HYDROBAENINAE TOWNES, 1945: *American Midland Naturalist* **34**(1): 12 (in subfamily key). Type-genus: *Hydrobaenus* Fries, 1830. [**Note**]

OREADOMYIINAE KEVAN & CUTTEN-ALI-KHAN, 1975: *Canadian Journal of Zoology* **53**(6): 854. Type-genus: *Oreadomyia* Kevan & Cutten-Ali-Khan, 1975.

Genus **AAGAARDIA** SÆTHER

AAGAARDIA SÆTHER, 2000: *Aquatic Insects* **22**(3): 178. Type-species: *Eukiefferiella sivertseni* Aagaard, 1979, by original designation.

longicalcis SÆTHER, 2000: *Aquatic Insects* **22**(3): 193 (*Aagaardia*). Type-locality: "CANADA: New Brunswick, Kouchibouguac National Park". — Distr.: **NE**: Canada (New Brunswick, Nova Scotia).

oksanae MAKARCHENKO & MAKARCHENKO, 2005: *Evraziatskii Entomologicheskii Zhurnal* **4**(3): 235 (*Aagaardia*). Type-locality: "Sokhatinoe Lake, Sikhote-Alin'

Biosphere Nature Reserve, Primorskii Krai, Russian Far East, . . . altitude is about 600 m a.s.l.". — Distr.: **PA**: Russia (Far East).

protensa SÆTHER, 2000: *Aquatic Insects* **22**(3): 190 (*Aagaardia*). Type-locality: "FINLAND: Kaakkoissuomi, Pieni, Vehkalahti, Lake Pieni Mantjarvi". — Distr.: **PA**: Finland.

sivertseni (AAGAARD, 1979): *Entomologica Scandinavica Supplement* **10**: 95 (*Eukiefferiella*). Type-locality: "Norway, Lake Målsjøen, Klæbu". — Distr.: **NE**: Canada (New Brunswick, Nova Scotia); **PA**: Finland, Norway.

triangulata SÆTHER, 2000: *Aquatic Insects* **22**(3): 192 (*Aagaardia*). Type-locality: "TURKEY: Kars, Soganli at Sarikamis, railway station, drift, 2100 m. a. s. l.". — Distr.: **PA**: Turkey.

Genus **ABISKOMYIA** EDWARDS

ABISKOMYIA EDWARDS, 1937: *Annals and Magazine of Natural History* (10) **20**: 140. Type-species: *Abiskomyia virgo* Edwards, 1937, by original designation.

paravirgo GOETGHEBUER, 1940: *Bulletin et Annales de la Société Entomologique de Belgique* **80**(1): 70 (*Abiskomyia*). Type-locality: [Introduction, p. 55] "aux environs d'Abisko, en Laponie Suédoise" [= in the vicinity of Abisko, in Swedish Lapland]; [p. 71] "près d'une source d'eau vive" [= near a source of spring water]. — Distr.: **PA**: Finland, Mongolia, Norway, Sweden, Turkey.

virgo EDWARDS, 1937: *Annals and Magazine of Natural History* (10) **20**: 141 (*Abiskomyia*). Type-localities: {Swedish Lappland} "several localities in the neighbourhood of Abisko", "Katterjaure (766 m.), Abiskojaure and Kårsavagge". — Distr.: **NE**: Canada (Nunavut), U.S.A. (Alaska); **PA**: Finland, Norway, Russia (CET, NET, East Siberia, Far East, West Siberia), Sweden.

simulans (CHERNOVSKII, 1949): *Opredeliteli po Faune SSSR, izdavaemye Zoologicheskim Institutom AN SSSR* **31**: 118 (as "Orthocladiinae gen.? l."). Locality: [Russia, Northern European Territory] **oz. Malyi Vud-yavr na Kol′skom poluostrove** [= Lake Malyi Vud-yavr in the Kola Peninsula]. Name

not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN 1999, 4th Edition). **Nomen nudum**. [**Note**]

Genus **ACAMPTOCLADIUS** BRUNDIN

ACAMPTOCLADIUS BRUNDIN, 1956: *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 162. Type-species: *Spaniotoma* (*Smittia*) *submontana* Edwards, 1932, by original designation.

PHYCOIDELLA SÆTHER, 1971: *Canadian Entomologist* **103**(12): 1810. Type-species: *Phycoidella dentolatens* Sæther, 1971, by original designation. Synonymized with *Acamptocladius* Brundin, 1956, by Cranston & Sæther (1981: *Entomologica Scandinavica* **13**(1): 25).

dentolatens (SÆTHER, 1971): *Canadian Entomologist* **103**(12): 1814 (*Phycoidella*). Type-locality: [Canada, Ontario] "western bay of Lake 164, Fisheries Research Board of Canada Experimental Lakes Area, Kenora". — Distr.: **NE**: Canada (Ontario).

reissi CRANSTON & SÆTHER, 1981: *Entomologica Scandinavica* **13**(1): 29 (*Acamptocladius*). Type-locality: [Germany] "West Germany: Oberbayern, Murnauer Moos, Torfstich" [= West Germany: Upper Bavaria, Murnauer Moos, turf cutting]. — Distr.: **PA**: Denmark, Finland, Germany, Great Britain, Ireland, Italy, Norway, Russia (NET), Slovakia, Spain.

submontanus (EDWARDS, 1932): *Scottish Naturalist* **194**: 46 (*Spaniotoma* (*Smittia*)). Type-locality: [Great Britain] "Ben Nevis, by shore of Lochan Meall an t' Suidhe" [Lectotype designation in Cranston & Sæther, 1981: *Entomologica Scandinavica* **13**(1): 27, [Great Britain] "Scotland: Invernes-shire (now Highland region), Ben Nevis, shore of Lochan Meall an t'Suidhe, 550 m.o.d."]. — Distr.: **PA**: Denmark, Finland, Great Britain, Ireland, Netherlands, Norway, Russia (NET, SET), Sweden.

sp.: EPLER, 2001: *Identification manual for the larval Chironomidae (Diptera) of North and South Carolina*: 7.33 [= Chapter 7, page 33] (*Acamptocladius*). Locality:

[U.S.A.] "St. Lucie Co. in southeast central Florida". — Distr.: **NE**: U.S.A. (Florida).

Genus **ACRICOTOPUS** KIEFFER

ACRICOTOPUS KIEFFER, 1921: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 90. Type-species: *Acricotopus grandis* Kieffer, 1921 [= *Chironomus lucens* Zetterstedt, 1850], by original designation.

longipalpus REISS, 1968: *Khumbu Himal* **3**: 63 (*Acricotopus*). Type-locality: "See 17, Oberfläche, beim Ort Bibre am Nuptse-Gletscher, Nepal; Höhe ca. 5400 m ü. N. N." [= Lake 17, surface, at the Bibre locality on the Nuptse Glacier, Nepal, altitude circa 5400 metres above sea-level]. — Distr.: **PA**: Afghanistan, Kyrgyzstan, Tajikistan; **OR**: Nepal.

lucens (ZETTERSTEDT, 1850): *Diptera Scandinaviæ disposita et discripta* **9**: 3574 (*Chironomus*; as nom. nov. for *Chironomus lucidus* Staeger, 1839 nec *Chironomus lucidus* Zetterstedt, 1838). Type-locality: "Dania" [= Denmark] [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 82, "Dänemark"] [= Denmark]. — Distr.: **NE**: Canada (Alberta, Manitoba, Northwest Territories, Nunavut, Saskatchewan, Yukon Territory), U.S.A. (Alaska); **PA**: Austria, Belarus, Belgium, Bulgaria, China (Inner Mongolia, Jilin, Qinghai, Tibet), Czech Republic, Denmark, Estonia, Faroe Islands, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Kaliningrad, Kazakhstan, Latvia, Mongolia, Netherlands, Poland, Romania, Russia (CET, NET, SET, East Siberia, Far East), Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, ¶Yugoslavia.

lucidus: incorrect subsequent spelling.

patibilis (WALKER, 1856): *Insecta Britannica Diptera* **3**: 174 (*Chironomus*). Type-locality: [Great Britain] "(E.)" [= England].

pervulsus (WALKER, 1856): *Insecta Britannica Diptera* **3**: 179 (*Chironomus*). Type-locality: [Great Britain] "(E.)" [= England].

obsepiens (WALKER, 1856): *Insecta Britannica Diptera* **3**: 183 (*Chironomus*). Type-locality: [Great Britain] "(E.)" [= England].

nitidicollis (WALKER, 1856): *Insecta Britannica Diptera* **3**: 187 (*Chironomus*). Type-locality: [Great Britain] "(E.)" [= England].

moturus (WALKER, 1856): *Insecta Britannica Diptera* **3**: 188 (*Chironomus*). Type-locality: [Great Britain] "(E.)" [= England].

coaequatus (WALKER, 1856): *Insecta Britannica Diptera* **3**: 190 (*Chironomus*; originally as "*coæquatus*"). Type-locality: [Great Britain] "(E.)" [= England].

sagittalis (KIEFFER in KIEFFER & THIENEMANN, 1908): *Zeitschrift für Wissenschaftliche Insektenbiologie* **4**: 7 (*Trichocladius*). Type-locality: [Germany] "Insel Rügen" [= Island of Rügen] [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 83, "Küsterkoppel, Halbinsel Jasmund, Rügen, Deutschland"] [= coastal belt, Jasmund Peninsula, Rügen, Germany]. [**Note**]

longimanus (KIEFFER in KIEFFER & THIENEMANN, 1908): *Zeitschrift für Wissenschaftliche Insektenbiologie* **4**: 9 (*Trichocladius*). Type-locality: [Germany] "Greifswald". [**Note**]

halobius (KIEFFER, 1915): *Archiv für Hydrobiologie Supplement* **2**(2): 477 (*Trichocladius*). Type-locality: [Germany, Westphalia] "Salzkotten".

funebris (GOETGHEBUER, 1919): *Annales de Biologie Lacustre* **9**(1/3): 56 (*Trichocladius*). Type-locality: {Belgique} "dans un fossé à Destelbergen" [= in at ditch at Destelbergen] [Belgique = Belgium] ‖ ►Type-localities: {Belgique} [p. 27] "sur les bords de la Lys à Gand" [= on the banks of the Lys in Gand]; "au Kraenepoel à Bellem" [= at Kraenepoel in Bellem]; [p. 190] "Les Flandres"; "Bruxelles (M. B.)" [M. B. = Moyenne Belgique], [Belgique = Belgium], in Goetghebuer, 1921: *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 99◄‖. Senior primary homonym of *Trichocladius funebris* Goetghebuer, 1921 (below). [**Note**]

lobatus (KIEFFER, 1921): *Annales de la Société Scientifique de Bruxelles, 2e partie*

(Mémoires) **40**: 293 (*Trichocladius*). Type-locality: [Latvia] [p. 275] "environs de Libau, en Courlande" [= vicinity of Libau (now Liepaja), in Courland (now Kurzeme)].

funebris (GOETGHEBUER, 1921): *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 99 (*Trichocladius*). Type-localities: {Belgique} [p. 27] "sur les bords de la Lys à Gand" [= on the banks of the Lys in Gand]; "au Kraenepoel à Bellem" [= at Kraenepoel in Bellem]; [p. 190] "Les Flandres"; "Bruxelles (M. B.)" [M. B. = Moyenne Belgique], [Belgique = Belgium]. **Preoccupied**. Junior primary homonym of *Trichocladius funebris* Goetghebuer, 1919 (above).

grandis KIEFFER, 1921: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 90 (*Acricotopus*). Type-locality: [Poland] "Silésie" [= Silesia].

baueri (GOETGHEBUER, 1955): *Bulletin de l'Association Philomathique d'Alsace et de Lorraine* **9**: 167 (*Trichocladius*; as var. of "*lucidus* Staeger"). Type-locality: {Groenland} "Les Lacs glaciaires des Dolmens et des Feuilles se trouvent sur l'Inlandaise à 20 km de la côte ouest" [= The glacial dolmen lakes and the ice sheet located 20 kilometres inland from the west coast] [Groenland = Greenland]. [**Note**]

? *sessilis* KIEFFER, 1921: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 91 (*Acricotopus*). Type-locality: [Poland] "Silésie" [= Silesia]. **Questionable synonym**.

? *atrinervis* KIEFFER, 1921: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 91 (*Acricotopus*; as var. of *grandis* Kieffer, 1921). Type-locality: [Poland] "Silésie" [= Silesia]. **Questionable synonym**.

? *brevipalpis* (KIEFFER, 1923): *Annales de la Société Scientifique de Bruxelles, 2e partie (Mémoires)* **42**: 157 (*Trichocladius*). Type-locality: [Czech Republic] "Bohême : Goding" [= Bohemia: Goding or Göding (now Hodonin)]. **Questionable synonym**.

maritimus ZELENTZOV, 1993: *Trudy Instituta Biologii Vnutrennikh Vod im I. D. Papanina*

68(71): 133 (*Acricotopus*). Type-locality: [Russia, East Siberia] **Respublika Sakha, o. Dunai, Ust′-Lenskii gosudarstvennyi zapovednik** [= Sakha Republic, Dunai Island, Ust′-Lenskii State Nature Reserve]. — Distr.: **PA**: Russia (East Siberia).

nitidellus (MALLOCH, 1915): *Bulletin of the Illinois State Laboratory of Natural History* **10**: 515 (*Orthocladius* (*Trichocladius*)). Type-locality: [U.S.A.] "St. Joseph, Ill., . . . on bank of Salt Fork" [Ill. = Illinois]. — Distr.: **NE**: Canada (Alberta, British Columbia, Manitoba, New Brunswick, Ontario, Saskatchewan), U.S.A. (Illinois, Minnesota, New York, Ohio, Pennsylvania, South Dakota).

senex (JOHANNSEN, 1937): *Memoirs Cornell University Agricultural Experiment Station* **205**: 63 (*Spaniotoma* (*Trichocladius*)). Type-locality: [U.S.A.] "a small alga-covered pond near Ithaca, New York".

simplex ZHANG & WANG, 2004: *Entomologia Sinica* **11**(4): 286 (*Acricotopus*). Type-locality: "Jianri County, Xizang, China" [error, Jianri = Dingri] [Xizang = Tibet]. — Distr.: **PA**: China (Qinghai, Tibet); **OR** (Sichuan).

zhalingensis ZHANG & WANG, 2004: *Entomologia Sinica* **11**(4): 288 (*Acricotopus*). Type-locality: "Zhaling Lake, Qinghai Province, China". — Distr.: **PA**: China (Qinghai).

Genus **AGURAYUSURIKA** SASA & OKAZAWA

AGURAYUSURIKA SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 133. Type-species: *Agurayusurika toganigra* Sasa & Okazawa, 1992, by original designation.

AGURAYUSURIKA SASA & OKAZAWA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 120. Type-species: *Agurayusurika toganigra* Sasa & Okazawa, 1991, by original designation. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

toganigra SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural*

Environmental Pollution Research Center **1992**: 133 (*Agurayusurika*). Type-locality: {Japan} [Introduction, p. 92] "Toga-mura . . . in the southern mountainous part of Toyama Prefecture". — Distr.: **PA**: Japan.

toganigra SASA & OKAZAWA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 120 (*Agurayusurika*). Locality: {Japan} [Abstract, p. 105] "Toga-mura, a village situated in the mountainous region of Toyama Prefecture". Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

Genus **ALLOCLADIUS** KIEFFER

ALLOCLADIUS KIEFFER, 1913: *Résultats Scientifiques Voyage de Ch. Alluaud et R. Jeannel en Afrique Orientale (1911-1912) (Diptères)* **1**: 28. Type-species: *Allocladius niger* Kieffer, 1913, by original designation.

LINDEBERGIA TUISKUNEN, 1984: *Annales Entomologici Fennici* **50**(4): 121. Type-species: *Lindebergia bothnica* Tuiskunen, 1984, by original designation. Synonymized with *Allocladius* Kieffer, 1913, by Andersen, Sæther & Mendes (2010: *Zootaxa* **2472**: 5).

aizaiensis (WANG, 1990): *Chinese Journal of Oceanology and Limnology* **8**(3): 273 (*Pseudosmittia*). Type-locality: "Aizai, Hunan Province, China". — Distr.: **OR**: China (Hunan). Senior primary homonym of *Pseudosmittia aizaiensis* Wang, 1997 (below).

aizaiensis (WANG, 1997): *Invertebrates of Wuling Mountaina Area, Southwestern China*: 532 (*Pseudosmittia*). Type-locality: [English Abstract] "Wuling Mountaina Area in southwestern China". **Preoccupied**. Junior primary homonym of *Pseudosmittia aizaiensis* Wang, 1990 (above).

arenarius (STRENZKE, 1960): *Deutsche Entomologische Zeitschrift* (Neue Folge) **7**(4/5): 414 (*Pseudosmittia*; as species and subspecies). Type-locality: [Germany] "vom Ufer des Zwischenhafens, Wilhelmshaven" [= from the shores of the

Intermediate Port, Wilhelmshaven]. — Distr.: **NE**: Canada (Nunavut, Yukon Territory), U.S.A. (Alaska, Georgia, South Carolina); **PA**: **?**Austria, Germany, **?**Great Britain, Netherlands, **?**Spain, Turkey.

arenarius (REMMERT, 1955): *Zoologische Jahrbücher, Abteilung Systematik, Ökologie und Geographie der Tiere* **83**(6): 454 (*Pseudosmittia*). Locality: [Germany] "vom Rande eines stillgelegten Hafenbeckens (Wilhelmshaven)" [= from the edge of a disused dock (Wilhelmshaven)]. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**. [**Note**]

flavus (STRENZKE, 1960): *Deutsche Entomologische Zeitschrift* (Neue Folge) **7**(4/5): 419 (*Pseudosmittia*; as subspecies of *arenaria* Strenzke, 1960). Type-locality: [Germany] "vom Ufer des Zwischenhafens, Wilhelmshaven" [= from the shores of the Intermediate Port, Wilhelmshaven].

azoricus (STORÅ, 1945): *Commentationes Biologicae* **8**(10): 30 (*Smittia* (*Pseudosmittia*)). Type-localities: {Azoren} [= Azores] "Mig.: Pico da Castanheiro" [Mig. = São Miguel]; "Lagoa Canario"; "Sete Cidades"; "Lagoa do Fogo"; "Lagoa do Congro"; "Furnas"; "Ribeira Quente"; "Pico da Vara"; "Terc.: Angra do Heroismo" [Terc. = Terceira]; "Pico do Bagacina"; "Furnas"; "Achada"; "Lagoa Achada"; "Santa Barbara"; "Agualva"; "Praia da Victoria"; "Grac.: Caldeira" [Grac.= Graciosa]; "Jorge: Calheta" [Jorge = São Jorge]; "Lagoa do Calheta"; "Lagoa do Pico gente"; "Ribeira do Salto"; "Ribeira Funda"; "Pico: Lagoa do Caiado"; "Silveira"; "Pico, auf dem Gipfel des Vulkanes" [= Pico, on the summit of the volcano]; "Fay.: Horta" [Fay. = Faial]; "Caldeira, Boden des Kraters" [= Caldeira, floor of the crater]; "Ribeira Flamengos"; "Ribeira"; "Flor.: Santa Cruz" [Flor. = Flores]; "Ribeira Borqueiros"; "Vales"; "Ribeira Fazenda"; "Mato, Ribeira dos Algares"; "Caldeira Branca"; "Caldeira Seca"; "Corvo: Caldeiras" [Lectotype designation in Ferrington & Sæther, 2011: *Zootaxa* **2849**: 88, "AZORES: Terceira, Pico do Bagacina, bog"]. — Distr.: **PA**: Azores.

bilobulatus (EDWARDS, 1931): *Diptera of Patagonia and South Chile* **2**(5): 299 (*Spaniotoma* (*Smittia*)). Type-locality: [Argentina] "Viedma". — Distr.: **NT**: Argentina, Chile, Peru.

bothnicus (TUISKUNEN, 1984): *Annales Entomologici Fennici* **50**(4): 121 (*Lindebergia*). Type-locality: "Finland, Ob, Hailuoto, Vesaniityt, on the northern coast of the Gulf of Bothnia (about 65°N, 25°E, or 722:39 in the 27° grid reference system)". — Distr.: **PA**: Finland, Netherlands, Russia (NET, Far East).

bubratus FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 83 (*Allocladius*). Type-locality: "ETHIOPIA: Addis Ababa". — Distr.: **AF**: Ethiopia.

caspersi FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 51 (*Allocladius*). Type-locality: "CHINA: Sichuan, Mount Emei". — Distr.: **PA**: Turkey; **OR**: China (Sichuan).

conigerus (FREEMAN, 1954): *Proceedings of the Royal Entomological Society* (B) **23**(9/10): 176 (*Pseudosmittia*). Type-locality: [South Africa] "Berg River, Piquetberg". — Distr.: **AF**: D.R.Congo, Ethiopia, Réunion, South Africa, Zimbabwe.

deborae FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 97 (*Allocladius*). Type-locality: "TANZANIA: Tanga, West Usambara Mountains, Mazdunloi". — Distr.: **AF**: Ethiopia, Tanzania.

fortispinatus (EDWARDS, 1931): *Diptera of Patagonia and South Chile* **2**(5): 296 (*Spaniotoma* (*Smittia*)). Type-locality: [Argentina] "Bariloche". — Distr.: **NT**: Argentina.

globosus ANDERSEN, SÆTHER & MENDES, 2010: *Zootaxa* **2472**: 11 (*Allocladius*). Type-locality: "CHILE: Región V, Río Aconcagua, West of Las Vizcachas, 32º51.391'S, 70º28.668'W, 1.096 m a.s.l.". — Distr.: **NT**: Chile.

hirticaudatus FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 57 (*Allocladius*). Type-locality: "TANZANIA: Tanga, West Usambara Mountains". — Distr.: **AF**: Tanzania.

jintuoctavus (SASA, 1990): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1990**: 46 (*Mesosmittia*). Type-locality: {Japan, Toyama, Jintsu River} "at St. 3, Ousawano". — Distr.: **PA**: Japan.

longicrus (KIEFFER, 1921): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 100 (*Camptocladius*). Type-locality: [Poland] "Silésie" [= Silesia]. — Distr.: **PA**: Austria, Poland.

lusciniolus SÆTHER & ANDERSEN in FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 57 (*Allocladius*). Type-locality: "TRISTAN DA CUNHA: 37°108′44"S; 12°326′53", Site 7, on rim, west of patches, above Molly Gulch, below Daylies hill, 2270 ft.". — Distr.: **AF**: Gough Island, Tristan da Cunha, Nightingale Island.

nanseni (KIEFFER, 1926): *Norsk Entomologisk Tidsskrift* **2**: 82 (*Psectrocladius*; as "*Nanseni*"). Type-locality: [Canada, Nunavut, Ellesmere Island] "Indre Eide" [Indre Eide = Inner Isthmus at Gåsefjord]. — Distr.: **NE**: Canada (Alberta, Manitoba, New Brunswick, Northwest Territories, Nunavut, Ontario, Yukon Territory), Greenland, Mexico (Mexico State), U.S.A. (Alaska, Arizona, California, Colorado, Georgia, Idaho, Kansas, Louisiana, Michigan, Minnesota, Missouri, New Mexico, Ohio, South Carolina, South Dakota, Texas, Utah, Wyoming); **PA**: China (Gansu, Hebei, Inner Mongolia, Ningxia), France, **?**Iceland, Norway, Novaya Zemlya, Russia (NET, Far East), Sweden, Turkey. **Comb. nov.** [**Note**]

longitibia (GOETGHEBUER, 1933): *Skrifter om Svalbard og Ishavet* **53**: 29 (*Smittia*). Type-locality: [Greenland] "Myggbukta".

mediocarinata (CASPERS & REISS, 1989): *Entomofauna* **10**(8): 132 (*Pseudosmittia*). Type-locality: "Yeniçağa Gölü N Yeniçağa, 1000 m über NN (Provinz Bolu, Nordwesttürkei)" [= Yeniçağa Gölü north of Yeniçağa, 1000 metres above sea-level (Province of Bolu, north-west Turkey].

neobilobulatus (PAGGI, 1993): *Annales de Limnologie* **29**(2): 172 (*Pseudosmittia*). Type-locality: "Argentina : Embalse Arroyito, Neuquen". — Distr.: **NT**: Argentina, Bolivia, Chile.

niger KIEFFER, 1913: *Résultats Scientifiques Voyage de Ch. Alluaud et R. Jeannel en Afrique Orientale (1911-1912) (Diptères)* **1**: 28 (*Allocladius*). Type-locality: [Kenya]

"Afrique Orientale Anglaise : Camp II du Kénya, installé à 2.870 m. d'altitude . . . st. n° 41" [= British East Africa : Camp II in Kenya, located at an altitude of 2,870 metres . . . station number 41]. — Distr.: **AF**: Kenya, **?**Uganda.

quadrus ANDERSEN, SÆTHER & MENDES, 2010: *Zootaxa* **2472**: 17 (*Allocladius*). Type-locality: "CHILE: Región XII, Punta Arenas, Lago El Parrillar, 53°24.444'S, 71°15.823'W, 246 m a.s.l.". — Distr.: **NT**: Chile.

rectilobus (FREEMAN, 1955): *South African Animal Life* **2**: 369 (*Pseudosmittia*). Type-locality: [South Africa] "Cape Prov.: Stellenbosch". — Distr.: **AF**: Ethiopia, South Africa, Uganda, Zimbabwe.

salti (FREEMAN, 1954): *Archiv für Hydrobiologie* **48**(4): 442 (*Pseudosmittia*). Type-locality: [Tanzania] "Tanganyika, Kilimandjaro, Shira Plateau, 12,100 ft.". — Distr.: **AF**: Tanzania.

scrotus ANDERSEN, SÆTHER & MENDES, 2010: *Zootaxa* **2472**: 19 (*Allocladius*). Type-locality: "ECUADOR: Pichincha Province, Amaguaña, near Volcano Pasochoa, 0°22'S 78°27'W, 3.000 m a.s.l.". — Distr.: **NT**: Ecuador.

soemmei FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 59 (*Allocladius*). Type-locality: "KENYA: Mount Kenya, Teleki Valley, swarming over *Senecia brassicae* ". — Distr.: **AF**: Kenya.

wangorum FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 78 (*Allocladius*). Type-locality: "CHINA: Inner Mongolia, Alex". — Distr.: **PA**: China (Inner Mongolia).

wirthi (FREEMAN, 1961): *Australian Journal of Zoology* **9**(4): 666 (*Smittia*). Type-locality: {Australia} "Careel Bay, N.S.W., salt marsh" [N.S.W. = New South Wales]. — Distr.: **AU**: Australia (New South Wales, South Australia).

sp. "Chile": ANDERSEN, SÆTHER & MENDES, 2010: *Zootaxa* **2472**: 21 (*Allocladius*). Locality: "CHILE: Región XII, Tierra del Fuego, river about 9 km West of Carabineros, 54°01'S, 68°55'W". — Distr.: **NT**: Chile.

sp. "Falklands Islands": ANDERSEN, SÆTHER & MENDES, 2010: *Zootaxa* **2472**: 21 (*Allocladius*). Locality: "FALKLAND ISLANDS (Malvinas): Beauchine

Island". — Distr.: **NT**: Falklands Islands.

Genus **ALLOMETRIOCNEMUS** FREEMAN

ALLOMETRIOCNEMUS FREEMAN, 1961: *Australian Journal of Zoology* **9**(4): 657. Type-species: *Allometriocnemus coloensis* Freeman, 1961, by original designation.

coloensis FREEMAN, 1961: *Australian Journal of Zoology* **9**(4): 659 (*Allometriocnemus*). Type-locality: {Australia} "Colo Vale, N.S.W." [N.S.W. = New South Wales]. — Distr.: **AU**: Australia (New South Wales).

pictus FREEMAN, 1961: *Australian Journal of Zoology* **9**(4): 659 (*Allometriocnemus*). Type-locality: {Australia} "Colo Vale, N.S.W." [N.S.W. = New South Wales]. — Distr.: **AU**: Australia (New South Wales).

Genus **ALLOTRISSOCLADIUS** FREEMAN

ALLOTRISSOCLADIUS FREEMAN, 1964: *Proceedings of the Royal Entomological Society* (B) **33**(9/10): 148. Type-species: *Allotrissocladius amphibius* Freeman, 1964, by original designation.

acutus CHAUDHURI & NANDI, 1981: *Journal of the Bombay Natural History Society* **77**(2): 292 (*Allotrissocladius*). Type-locality: {West Bengal, India} "Govt. College, Darjeeling". — Distr.: **OR**: India (West Bengal). [**Note**]

amphibius FREEMAN, 1964: *Proceedings of the Royal Entomological Society* (B) **33**(9/10): 149 (*Allotrissocladius*). Type-locality: [Australia] "WESTERN AUSTRALIA: 40 miles down Albany Highway". — Distr.: **AU**: Australia (Western Australia).

Genus **AMPHISMITTIA** KAWAI, OKAMOTO & IMABAYASHI

AMPHISMITTIA KAWAI, OKAMOTO & IMABAYASHI, 2002: *Medical Entomology and Zoology* **53**(2): 75. Type-species: *Amphismittia yoshiwaensis* Kawai, Okamoto & Imabayashi, 2002, by original designation.

yoshiwaensis KAWAI, OKAMOTO & IMABAYASHI, 2002: *Medical Entomology and Zoology* **53**(2): 75 (*Amphismittia*). Type-locality: "shore of the Ohta River,

Yoshiwa-Mura, Saeki-Gun, Hiroshima Pref., Japan". — Distr.: **PA**: Japan.

Genus **ANTILLOCLADIUS** SÆTHER

ANTILLOCLADIUS SÆTHER, 1981: *Entomologica Scandinavica Supplement* **16**: 4. Type-species: *Antillocladius antecalvus* Sæther, 1981, by original designation.

anandae MENDES, ANDERSEN & HAGENLUND, 2011: *Zootaxa* **2915**: 41 (*Antillocladius*). Type-locality: "BRAZIL: Rio de Janeiro State, Penedo, 22°24.652'S 44°33.217'W, 468 m a.s.l.". — Distr.: **NT**: Brazil.

antecalvus SÆTHER, 1981: *Entomologica Scandinavica Supplement* **16**: 4 (*Antillocladius*). Type-locality: "St. Vincent, Majorca Estate, Yambou River, 442 m a.s.l.". — Distr.: **NT**: Brazil, Costa Rica, St. Vincent, Venezuela.

arcuatus SÆTHER, 1982: *Entomologica Scandinavica* **13**(4): 474 (*Antillocladius*). Type-locality: "U.S.A. . . . Keowee Reservoir, Warpath area, Pickens Co., Seneca, South Carolina". — Distr.: **NT**: Brazil, Costa Rica, Venezuela; **NE**: Mexico (Nuevo León), U.S.A. (Florida, Georgia, Kansas, South Carolina).

atalaia MENDES & ANDERSEN, 2008: *Zootaxa* **1887**: 21 (*Antillocladius*). Type-locality: "Brazil: Rio de Janeiro: Arraial do Cabo, Morro do Atalaia". — Distr.: **NT**: Brazil.

axitiosus MENDES & ANDERSEN, 2008: *Zootaxa* **1887**: 24 (*Antillocladius*). Type-locality: "BRAZIL: Rio de Janeiro: Arraial do Cabo, Morro do Atalaia". — Distr.: **NT**: Brazil.

biota MENDES, ANDERSEN & SÆTHER, 2004: *Zootaxa* **594**: 30 (*Antillocladius*). Type-locality: "BRAZIL: São Paulo State, Parque Estadual Intervales". — Distr.: **NT**: Brazil.

brazuca MENDES & ANDERSEN, 2008: *Zootaxa* **1887**: 26 (*Antillocladius*). Type-locality: "BRAZIL: Rio de Janeiro: Arraial do Cabo, Morro do Atalaia". — Distr.: **NT**: Brazil.

calakmulensis MENDES, ANDERSEN & SÆTHER, 2004: *Zootaxa* **594**: 32 (*Antillocladius*). Type-locality: "MEXICO: Campeche Province, Reserve

Biosphere Calakmul, Campamento Carola". — Distr.: **NT**: Mexico (Campeche).

campususp MENDES & ANDERSEN, 2008: *Zootaxa* **1887**: 29 (*Antillocladius*). Type-locality: "BRAZIL: São Paulo: Ribeirão Preto, University of São Paulo Campus". — Distr.: **NT**: Brazil.

folius MENDES, ANDERSEN & SÆTHER, 2004: *Zootaxa* **594**: 34 (*Antillocladius*). Type-locality: "BRAZIL: São Paulo State, Ribeirão Preto". — Distr.: **NT**: Brazil.

gephyrus MENDES & ANDERSEN, 2008: *Zootaxa* **1887**: 31 (*Antillocladius*). Type-locality: "BRAZIL: Santa Catarina: Florianópolis, UCAD". — Distr.: **NT**: Brazil.

herradurus MENDES, ANDERSEN & SÆTHER, 2004: *Zootaxa* **594**: 39 (*Antillocladius*). Type-locality: "MEXICO: Campeche Province, Reserva Biosphere Calakmul, Zona Arqueològica, Aguada Grande, 18°07'26.7"N, 89°48'56.7"W . . . 265 m a.s.l.". — Distr.: **NT**: Mexico (Campeche).

itatiaia MENDES, ANDERSEN & HAGENLUND, 2011: *Zootaxa* **2915**: 44 (*Antillocladius*). Type-locality: "BRAZIL: Rio de Janeiro State, Penedo, 22°24.652'S 44°33.217'W, 468 m a.s.l.". — Distr.: **NT**: Brazil.

longivirgius TANG & WANG, 2006: *Acta Scientiarum Naturalium Universitatis Nankaiensis (Natural Science Edition)* **39**(2): 67 (*Antillocladius*). Type-locality: "Mt. Jigongshan,Henan Province, China". — Distr.: **OR**: China (Henan).

musci MENDES, ANDERSEN & SÆTHER, 2004: *Zootaxa* **594**: 41 (*Antillocladius*). Type-locality: "BRAZIL: São Paulo State, Ribeirão Preto, Lake Monte Alegre, 21°11'S, 47°51'W". — Distr.: **NT**: Brazil.

plicatus MENDES & ANDERSEN, 2008: *Zootaxa* **1887**: 34 (*Antillocladius*). Type-locality: "BRAZIL: Bahia: Porto Seguro, Estação Ecológica Pau Brasil, 16°23'17.6"S, 39°10'55.6"W . . . 107 m a.s.l.". — Distr.: **NT**: Brazil.

pluspilalus SÆTHER, 1982: *Entomologica Scandinavica* **13**(4): 474 (*Antillocladius*). Type-locality: "U.S.A. . . . Upper Three Runs Creek, Savannah River Plant, Aiken Co., South Carolina". — Distr.: **NT**: Ecuador, Mexico (Campeche), Nicaragua; **NE**: U.S.A. (Florida, Georgia, Kansas, Ohio, South Carolina).

scalpellatus WANG & SÆTHER, 1993: *Entomologica Scandinavica* **24**(2): 227 (*Antillocladius*). Type-locality: "China; Guangdong, Fengkai, Heishiding natural conservation". — Distr.: **PA**: China (Jilin), Russia (Far East); **OR**: China (Guangdong).

skartveiti ANDERSEN & CONTRERAS-RAMOS, 1999: *Acta Zoologica Academiae Scientiarum Hungaricae* **45**(2): 150 (*Antillocladius*). Type-locality: "Ecuador: Pichincha Province, near Pasochoa Reserve, 3000 m a.s.l." — Distr.: **NT**: Ecuador.

sooretama MENDES, ANDERSEN & SÆTHER, 2004: *Zootaxa* **594**: 50 (*Antillocladius*). Type-locality: "BRAZIL: Espírito Santo State, Parque de Sooretama, Cupido". — Distr.: **NT**: Brazil.

subnubilus (SINHARAY & CHAUDHURI, 1979): *Entomologica Scandinavica Supplement* **10**: 121 (*Parametriocnemus*). Type-locality: "India, West Bengal, Jorbangla". — Distr.: **OR**: India (West Bengal).

tokarameneus (SASA & SUZUKI, 1995): *Japanese Journal of Sanitary Zoology* **46**(3): 277 (*Paratrissocladius*). Type-locality: {Tokara Islands, Japan} "Kuchinoshima Island". — Distr.: **OR**: Japan (Ryukyu Archipelago).

ubatuba MENDES, ANDERSEN & SÆTHER, 2004: *Zootaxa* **594**: 52 (*Antillocladius*). Type-locality: "BRAZIL: São Paulo State, Ubatuba, Praia das Toninhas". — Distr.: **NT**: Brazil, Venezuela.

ultimus MENDES & ANDERSEN, 2008: *Zootaxa* **1887**: 38 (*Antillocladius*). Type-locality: "BRAZIL: Rio de Janeiro: Arraial do Cabo, Morro do Atalaia". — Distr.: **NT**: Brazil.

venequatoriensis MENDES, ANDERSEN & SÆTHER, 2004: *Zootaxa* **594**: 54 (*Antillocladius*). Type-locality: "VENEZUELA: Aragua, Parque Nacional Henri Pittier, Rancho Grande, 10°21.047'N, 67°41.198'W . . . about 1000 m a.s.l.". — Distr.: **NT**: Ecuador, Venezuela.

yakyijeus (SASA & SUZUKI, 2000): *Tropical Medicine* **42**(2): 88 (*Metriocnemus*). Type-locality: {Yakushima Island, Southwestern Japan} "Anbo". — Distr.: **PA**:

Japan.

zempoalensis MENDES, ANDERSEN & SÆTHER, 2004: *Zootaxa* **594**: 57 (*Antillocladius*). Type-locality: "MEXICO: Morelos province, Parque Nacional Lagunas de Zempoala . . . about 3000 m a.s.l.". — Distr.: **NE**: Mexico (Morelos).

zhengi WANG & SÆTHER, 1993: *Entomologica Scandinavica* **24**(2): 229 (*Antillocladius*). Type-locality: "China: Hainan, Ledong, Mt Jianfeng". — Distr.: **OR**: China (Hainan), Thailand.

Genus **ANZACLADIUS** CRANSTON

ANZACLADIUS CRANSTON, 2009: *Australian Journal of Entomology* **48**(2): 131. Type-species: *Anzacladius numbat* Cranston, 2009, by original designation.

kangaroo CRANSTON, 2009: *Australian Journal of Entomology* **48**(2): 136 (*Anzacladius*). Type-locality: {Australia} "South Australia . . . 35°54′S 136°47′E, Kangaroo Island, upper Rocky R." — Distr.: **AU**: Australia (New South Wales, Queensland, South Australia, Victoria).

kiwi CRANSTON, 2009: *Australian Journal of Entomology* **48**(2): 137 (*Anzacladius*). Type-locality: "New Zealand . . . South Island, Tasman-Nelson, 41°41′53″S 172°36′50″E, Kawatiri, Hope R., 567 m asl.". — Distr.: **AU**: New Zealand (North Island. South Island).

numbat CRANSTON, 2009: *Australian Journal of Entomology* **48**(2): 136 (*Anzacladius*). Type-locality: {Australia} "Western Australia . . . south-west WA, 34°51′S 116°22′E, Chesapeake Rd., lower Shannon R.". — Distr.: **AU**: Australia (New South Wales, Queensland, Western Australia).

sp.: CRANSTON, 2009: *Australian Journal of Entomology* **48**(2): 137 (*Anzacladius*). Locality: "New Zealand, North Island, 35°12′52″S 173°47′43″E, Pukete Forest, un-named Stream, 562 m". — Distr.: **AU**: New Zealand (North Island).

sp.: CRANSTON, 2009: *Australian Journal of Entomology* **48**(2): 137 (*Anzacladius*). Localities: {Australia} "Queensland, . . . Cooloola N.P., Frankis Gulch, 26°03′.00″S 153°04′29″E"; "South Australia, . . . Kangaroo Island, Eleanor's

R."; "South Australia, . . . Stunsail Boom R.". — Distr.: **AU**: Australia (Queensland, South Australia).

Genus **APOMETRIOCNEMUS** SÆTHER

APOMETRIOCNEMUS SÆTHER, 1985: *Entomologica Scandinavica* **15**(4): 536. Type-species: *Apometriocnemus fontinalis* Sæther, 1985, by original designation.

fontinalis SÆTHER, 1985: *Entomologica Scandinavica* **15**(4): 537 (*Apometriocnemus*). Type-locality: "U.S.A.: Tennessee, Sevier Co., spring 12 miles SE of Gatlinburg on Rt. 441". — Distr.: **NE**: U.S.A. (Tennessee).

japonicus KOBAYASHI & SUZUKI, 1999: *Tijdschrift voor Entomologie* **142**(1): 65 (*Apometriocnemus*). Type-locality: "Japan: Nagasaki Prefecture: Todorokikyo (32°K57' N, 130°K7' E)". — Distr.: **PA**: Japan.

Genus **ARCTOSMITTIA** ZELENTZOV

ARCTOSMITTIA ZELENTZOV, 2006: *Zoologicheskii Zhurnal* **85**(6): 775. Type-species: *Arctosmittia biserovi* Zelentzov, 2006, by original designation.

biserovi ZELENTZOV, 2006: *Zoologicheskii Zhurnal* **85**(6): 776 (*Arctosmittia*). Type-locality: **Rossiya, arkhipelag Novaya Zemlya, Yuzhnyi o-v, p-v Pan′kova Zemlya** [= Russia, Novaya Zemlya Archipelago, Yuzhnyi Island, Pankov Zemlya Pensinsula]. — Distr.: **PA**: Novaya Zemlya.

Genus **ASCLERINA** REISS

ASCLERINA REISS, 1968: *Khumbu Himal* **3**: 65. Type-species: *Asclerina nudiclypeata* Reiss, 1968, by original designation.

nudiclypeata REISS, 1968: *Khumbu Himal* **3**: 67 (*Asclerina*). Type-locality: "See 16, Oberfläche, beim Ort Bibre am Nuptse-Gletscher, Nepal; Höhe ca. 5400 m ü. N. N." [= Lake 16, surface, at the Bibre locality on the Nuptse Glacier, Nepal, altitude circa 5400 metres above sea-level]. — Distr.: **OR**: Nepal.

Genus **AUSTROBRILLIA** FREEMAN

AUSTROBRILLIA FREEMAN, 1961: *Australian Journal of Zoology* **9**(4): 640. Type-species: *Austrobrillia longipes* Freeman, 1960, by original designation. [**Note**]

chilensis CRANSTON, 2000: *Spixiana* **23**(2): 108 (*Austrobrillia*). Type-locality: "Chile, Prov. Cautin, Rio Piren, 4km o. (above) R. Queule, (Nr 17)" — Distr.: **NT**: Chile.

longipes FREEMAN, 1961: *Australian Journal of Zoology* **9**(4): 640 (*Austrobrillia*). Type-locality: {Australia} "Harz Mountains, Tas." [Tas. = Tasmania]. — Distr.: **AU**: Australia (Australian Capital Territory, New South Wales, Tasmania, Victoria).

nudipennis: incorrect original spelling.

valereissia CRANSTON, 2000: *Spixiana* **23**(2): 108 (*Austrobrillia*). Type-locality: "ECU66 (Ecuador), NA (Napo), Sumaco, Cosanga, Bach mit Wasserfall (stream with waterfall), NÖ der Siedlung (NE of settlement), 2000m". — Distr.: **NT**: Ecuador.

Genus **AUSTROCLADIUS** FREEMAN

AUSTROCLADIUS FREEMAN, 1961: *Australian Journal of Zoology* **9**(4): 647. Type-species: *Camptocladius terjugus* Skuse, 1889, by original designation.

barilochensis (EDWARDS, 1931): *Diptera of Patagonia and South Chile* **2**(5): 290 (*Spaniotoma* (*Orthocladius*)). Type-locality: [Argentina] "Bariloche". — Distr.: **NT**: Argentina. **Comb. nov.** [**Note**]

hamulatus (EDWARDS, 1931): *Diptera of Patagonia and South Chile* **2**(5): 288 (*Spaniotoma* (*Orthocladius*)). Type-locality: [Chile] "Casa Pangue". — Distr.: **NT**: Argentina, Chile.

harrisi (FREEMAN, 1959): *Bulletin of the British Museum (Natural History)* Entomology **7**(9): 418 (*Chaetocladius*). Type-locality: {New Zealand} "Wellington: Ohakune". — Distr.: **AU**: New Zealand (North Island).

heterogeneus (EDWARDS, 1931): *Diptera of Patagonia and South Chile* **2**(5): 289 (*Spaniotoma* (*Orthocladius*)). Type-locality: [Argentina] "Bariloche". — Distr.:

NT: Argentina.

hirtinervis (EDWARDS, 1931): *Diptera of Patagonia and South Chile* **2**(5): 286 (*Spaniotoma* (*Orthocladius*)). Type-locality: [Argentina] "L. Correntoso". — Distr.: **NT**: Argentina.

numerosus (SKUSE, 1889): *Proceedings of the Linnaean Society of New South Wales* (2) **4**: 256 (*Orthocladius*). Type-locality: {Australia} "Lawson, Blue Mountains, N.S.W." [N.S.W. = New South Wales]. — Distr.: **AU**: Australia (Australian Capital Territory, New South Wales, Tasmania, Victoria).

obliquus (EDWARDS, 1931): *Diptera of Patagonia and South Chile* **2**(5): 289 (*Spaniotoma* (*Orthocladius*)). Type-locality: [Argentina] "Bariloche". — Distr.: **NT**: Argentina.

terjugus (SKUSE, 1889): *Proceedings of the Linnaean Society of New South Wales* (2) **4**: 262 (*Camptocladius*). Type-locality: {Australia} "Elizabeth Bay, near Sydney" [Lectotype designation in Freeman, 1961: *Australian Journal of Zoology* **9**(4): 648, {Australia} "from near Sydney"]. — Distr.: **AU**: Australia (Australian Capital Territory, New South Wales, Victoria).

trichiatus FREEMAN, 1961: *Australian Journal of Zoology* **9**(4): 649 (*Austrocladius*). Type-locality: {Australia} "Walhalla, Vic." [Vic. = Victoria]. — Distr.: **AU**: Australia (Victoria).

Genus **BAEOCTENUS** SÆTHER

BAEOCTENUS SÆTHER, 1976: *Bulletin of the Fisheries Research Board of Canada* **195**: 41. Type-species: *Baeoctenus bicolor* Sæther, 1976, by original designation.

bicolor SÆTHER, 1976: *Bulletin of the Fisheries Research Board of Canada* **195**: 43 (*Baeoctenus*). Type-locality: [Canada] "Gull Harbour, Lake Winnipeg, Man." [Man. = Manitoba]. — Distr.: **NE**: Canada (Manitoba, New Brunswick), U.S.A. (Michigan).

sudagaineous (SASA & TANAKA, 2001): *Annual Report of the Gunma Prefecture Institute of Public Health and Environmental Science* **33**: 58 (*Orthocladius*

(*Euorthocladius*)). Type-locality: {Japan} [Abstract, p. 41] "Tone River, Gunma Prefecture"; [p. 58] "Sudagai". — Distr.: **PA**: Japan.

togaquindecimus (SASA & OKAZAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 107 (*Dratnalia*). Type-locality: [Japan] [Introduction, p. 92] "Toga-mura . . . in the southern mountainous part of Toyama Prefecture"; [p. 107] "at the side of Momose River". — Distr.: **PA**: Japan.

togaquindecimus (SASA & OKAZAWA, 1991): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 119 (*Dratnalia*). Locality: {Japan} [Abstract, p. 105] "Toga-mura, a village situated in the mountainous region of Toyama Prefecture". Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

Genus **BARBADOCLADIUS** CRANSTON & KROSCH

BARBADOCLADIUS CRANSTON & KROSCH, 2011: *Neotropical Entomology* **40**(5): 561. Type-species: *Barbadocladius andinus* Cranston & Krosch, 2011, by original designation.

andinus CRANSTON & KROSCH, 2011: *Neotropical Entomology* **40**(5): 563 (*Barbadocladius*). Type-locality: "Chile: P.N. Puyehue, sector Anticura, Rio Gol Gol, 40˚39'36"S 72˚10'05" W, 348 m". — Distr.: **NT**: Argentina, Bolivia, Chile.

limay CRANSTON & KROSCH, 2011: *Neotropical Entomology* **40**(5): 565 (*Barbadocladius*). Type-locality: "Chile: IX Region, P.N. Vicente Perez Rosales, Petrohue, S. shore, 41˚08'38"S 72˚24'07" W, 260-280 m". — Distr.: **NT**: Argentina, Chile.

Genus **BAVARISMITTIA** SÆTHER

BAVARISMITTIA SÆTHER, 1995: *Spixiana* **18**(3): 267. Type-species: *Bavarismitta reissi*

Sæther, 1995, by original designation.

reissi SÆTHER, 1995: *Spixiana* **18**(3): 269 (*Bavarismitta*). Type-locality: "Germany: Bavaria, Murnauer Moos, Ramsach, Bruchwald beim Langen Kögel" [= Germany: Bavaria, Murnau Moor, Ramsach, swamp forests in Langen Kögel]. — Distr.: **PA**: Germany, Spain.

Genus **BELGICA** JACOBS

BELGICA JACOBS, 1900: *Annales de la Société Entomologique de Belgique* **44**(3): 106. Type-species: *Belgica antarctica* Jacobs, 1900, by subsequent designation of Rübsaamen (1906: *Résultats du voyage S.Y. Belgica en 1897-99*: 77).

PROTOBELGICA SÉGUY, 1965: *Bulletin du Muséum National d'Histoire Naturelle Paris* (2) **37**: 287. Type-species: *Protobelgica albipes* Séguy, 1965, by original designation. Synonymized with *Belgica* Jacobs, 1900, by Serra-Tosio (1982: *Revue Française d'Entomologie* (N. S.) **4**(3): 97).

albipes SÉGUY, 1965: *Bulletin du Muséum National d'Histoire Naturelle Paris* (2) **37**: 288 (*Protobelgica*). Type-locality: "Crozet, île de la Possession, baie du Navire, bord de la mer, rochers à *Grimmia*" [= Crozet, île de la Possession, Navire Bay, seashore, rocks with *Grimmia*]. — Distr.: **AN**: Crozet Islands.

antarctica JACOBS, 1900: *Annales de la Société Entomologique de Belgique* **44**(3): 107 (*Belgica*). Type-locality: "Dans les petites flaques d'eau produites par la fonte des neiges. Débarquement IV; canal de la Belgica antarctica" [= In small pools of water produced by melting snow. Debarkation IV; Belgica channel Antarctica]. — Distr.: **AN**: Antarctica, South Shetland Islands.

antarctica: **Not Neotropical**.

BOREOSMITTIA TUISKUNEN

BOREOSMITTIA TUISKUNEN in TUISKUNEN & LINDEBERG, 1986: *Annales Zoologici Fennici* **23**(4): 374. Type-species: *Boreosmittia inariensis* Tuiskunen, 1986, by original designation.

aurora MAKARCHENKO & MAKARCHENKO, 2009: *Evraziatskii Entomologicheskii Zhurnal* **8**(1): 117 (*Boreosmittia*). Type-locality: "Zaria Lake, Lazovsky Nature Reserve, Primorye Territory, Russian Far East". — Distr.: **PA**: Russia (Far East).

elevata MAKARCHENKO & MAKARCHENKO, 2009: *Evraziatskii Entomologicheskii Zhurnal* **8**(1): 118 (*Boreosmittia*). Type-locality: "Proselochnaya River, about 500 m from Proselochny cordon, Lazovsky Nature Reserve, Primorye Territory, Russian Far East". — Distr.: **PA**: Russia (Far East).

inariensis TUISKUNEN in TUISKUNEN & LINDEBERG, 1986: *Annales Zoologici Fennici* **23**(4): 374 (*Boreosmittia*). Type-locality: "Norway, Finnmark Sör-Varanger, 10 km north of Neiden". — Distr.: **PA**: Finland, Norway.

karelioborealis TUISKUNEN in TUISKUNEN & LINDEBERG, 1986: *Annales Zoologici Fennici* **23**(4): 376 (*Boreosmittia*). Type-locality: "Finland, Li, Inari, at lake Suoppajärvi (767:48)". — Distr.: **PA**: Finland, Norway.

khehtsyrika MAKARCHENKO & MAKARCHENKO, 2009: *Evraziatskii Entomologicheskii Zhurnal* **8**(3): 326 (*Boreosmittia*). Type-locality: {Russia, Far East} **Khabarovskii krai, Bol′shekhekhtsirskii zapovednik, r. Ts′sha** [= Khabarovsk Krai, Bolshekhehtsyrsky Nature Reserve, River Ts′sha]. — Distr.: **PA**: Russia (Far East).

seiryuquerea (SASA, SUZUKI & SAKAI, 1999): *Tropical Medicine* **40**(3): 118 (*Pseudosmittia*). Type-locality: [Abstract, p. 99] "Shimanto River, western Shikoku Island, Japan"; [p. 118] "Tombo Koen, Nakamura". — Distr.: **PA**: Japan.

siratoriprima (SASA & SUZUKI, 1998): *Bulletin of Toyama Prefectural Environmental Pollution Research Center* **25**(3): 75 (*Epoicocladius*). Type-locality: [Japan] [p. 75] "at Shiratori, Nagasaki". — Distr.: **PA**: Japan.

toganipea (SASA & OKAZAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 150 (*Epoicocladius*). Type-locality: {Japan} [Introduction, p. 92] "Toga-mura . . . in the southern

mountainous part of Toyama Prefecture". — Distr.: **PA**: Japan.

furudoquinta (SASA & ARAKAWA, 1994): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1994**: 96 (*Epoicocladius*). Type-locality: [Japan] [Introduction, p. 88] "Furudo . . . a man-made lake constructed in a hilly area of Ikeda, southern part of Toyama-shi".

toyamaneoa (SASA, 1996): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996** (**March**): 36 (*Epoicocladius*). Type-locality: [Introduction, p. 16] "Japan . . . in the zoological garden called Toyama City Family Park on the foot of Kureha Hill"; [p. 17] "at the side of the ground pool "A." " [= Lake A, p. 16].

toganipea (SASA & OKAZAWA, 1991): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 120 (*Parakiefferiella*). Locality: {Japan} [Abstract, p. 105] "Toga-mura, a village situated in the mountainous region of Toyama Prefecture". Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

Genus **BOTRYOCLADIUS** CRANSTON & EDWARD

BOTRYOCLADIUS CRANSTON & EDWARD, 1999: *Systematic Entomology* **24**(4): 307. Type-species: *Botryocladius grapeth* Cranston & Edward, 1999, by original designation.

australoalpinus CRANSTON & EDWARD, 1999: *Systematic Entomology* **24**(4): 324 (*Botryocladius*). Type-locality: "AUSTRALIA: Tasmania, . . . 41°47′S 146°16′E, King Solomons Jewels pond #2". — Distr.: **AU**: Australia (Tasmania).

bibulmun CRANSTON & EDWARD, 1999: *Systematic Entomology* **24**(4): 325 (*Botryocladius*). Type-locality: "AUSTRALIA: southwest Western Australia, 32°30′S 116°02′E, Foster Brook". — Distr.: **AU**: Australia (Western Australia).

brindabella CRANSTON & EDWARD, 1999: *Systematic Entomology* **24**(4): 323

(*Botryocladius*). Type-locality: "AUSTRALIA: Australian Capital Territory, 35°25′S 148°30′E, Brindabella Ranges, Moonlight Hollow". — Distr.: **AU**: Australia (Australian Capital Territory).

collessi CRANSTON & EDWARD, 1999: *Systematic Entomology* **24**(4): 324 (*Botryocladius*). Type-locality: "AUSTRALIA: New South Wales, 36°36′S 149°47′E, Brown Mt., Rutherford Ck". — Distr.: **AU**: Australia (New South Wales).

edwardsi CRANSTON & EDWARD, 1999: *Systematic Entomology* **24**(4): 327 (*Botryocladius*). Type-locality: "ARGENTINA: . . . 16 km S. San Martin, Arroyo Partida". — Distr.: **NT**: Argentina, Chile.

freemani CRANSTON & EDWARD, 1999: *Systematic Entomology* **24**(4): 326 (*Botryocladius*). Type-locality: "AUSTRALIA: southwest Western Australia, 33°41′07"S 115°11′17"E, Carbunup R.". — Distr.: **AU**: Australia (Australian Capital Territory, New South Wales, Western Australia).

glacialis CRANSTON & EDWARD, 1999: *Systematic Entomology* **24**(4): 327 (*Botryocladius*). Type-locality: "ARGENTINA: 41°02′S 71°49′W, nr Bariloche, Lago Frias". — Distr.: **NT**: Argentina, Chile.

grapeth CRANSTON & EDWARD, 1999: *Systematic Entomology* **24**(4): 321 (*Botryocladius*). Type-locality: "AUSTRALIA: New South Wales, 34°38′S 150°33′E, Belmore Falls, Barrengarry R.". — Distr.: **AU**: Australia (Australian Capital Territory, New South Wales, Queensland, South Australia, Tasmania, Victoria, Western Australia).

mapuche CRANSTON & EDWARD, 1999: *Systematic Entomology* **24**(4): 327 (*Botryocladius*). Type-locality: "ARGENTINA: 41°01′S 71°49′W, Puerto Blest, L. Nahuel Huapi". — Distr.: **NT**: Argentina, Chile.

mdfrc CRANSTON & EDWARD, 1999: *Systematic Entomology* **24**(4): 323 (*Botryocladius*). Type-locality: "AUSTRALIA: Victoria, 36°48′S 146°51′E, Buckland R.". — Distr.: **AU**: Australia (New South Wales, Victoria).

petrophilus CRANSTON & EDWARD, 1999: *Systematic Entomology* **24**(4): 325

(*Botryocladius*). Type-locality: "AUSTRALIA: Northern Territory: 25°20′S 130°43′E, Kata Tjuta [Olgas], Valley of Winds". — Distr.: **AU**: Australia (New South Wales, Northern Territory, South Australia, Western Australia). [**Note**]

tasmania CRANSTON & EDWARD, 1999: *Systematic Entomology* **24**(4): 324 (*Botryocladius*). Type-locality: "AUSTRALIA: Tasmania, 41°10′S 147°54′E, N.E. Tasmania, nr Weldborough, Weld R.". — Distr.: **AU**: Australia (Tasmania).

tronador CRANSTON & EDWARD, 1999: *Systematic Entomology* **24**(4): 328 (*Botryocladius*). Type-locality: "ARGENTINA: 41°01′S 71°49′W, Puerto Blest, L., Nahuel Huapi" [L., Nahuel Huapi = Lake Nahuel Huapi]. — Distr.: **NT**: Argentina.

sp. 1: CRANSTON & EDWARD, 1999: *Systematic Entomology* **24**(4): 328 (*Botryocladius*). Locality: "ARGENTINA: . . . 16 km S. San Martin, Arroyo Partida". — Distr.: **NT**: Argentina.

Genus **BRILLIA** KIEFFER

BRILLIA KIEFFER, 1913: *Bulletin de la Société d'Histoire Naturelle de Metz* **28**: 34. Type-species: *Metriocnemus bifidus* Kieffer, 1909, by original designation.

argentituba HAZRA & CHAUDHURI, 2002: *Reichenbachia* **34**(46): 381 (*Brillia*). Type-locality: {India} "Sikkim: Tadong". — Distr.: **OR**: India (Sikkim, West Bengal).

bifasciata WANG, ZHENG & JI, 1994: *Acta Entomologica Sinica* **37**(3): 359 (*Brillia*). Type-locality: [p. 363, English Summary] {China} "Ningxia Autonomous Region (MT. Liu-pan 35.6°N, 106.1°E)" [MT. = Mount]. — Distr.: **PA**: China (Ningxia).

bifida (KIEFFER, 1909): *Bulletin de la Société d'Histoire Naturelle de Metz* **26**: 48 (*Metriocnemus*). Type-locality: {Allemagne} [= Germany] "Westphalie" [= Westphalia] ‖ ►Type-locality: [Germany] "Zusammen mit voriger Art" [= Together with the previous species], i.e. "an der Glörtalsperre und

Fuelbeckertalsperre" [= on the Glör Dam and Fülbeck Dam] in Kieffer & Thienemann, 1909: *Jahresberichte des Westfälischen Provinzial-Vereins für Wissenschaft und Kunst* **37**: 33◄‖. — Distr.: **PA**: Albania, Algeria, Austria, Belgium, Bulgaria, Corsica, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Japan, Kaliningrad, Latvia, Luxembourg, Macedonia, Mongolia, Morocco, Netherlands, Norway, Novaya Zemlya, Poland, Portugal, Romania, Russia (CET, NET, East Siberia, Far East), Slovakia, Spain, Sweden, Switzerland, Turkey, ¶Yugoslavia.

modesta (MEIGEN, 1830): *Systematische Beschreibung* **6**: 256 (*Chironomus*). Type-locality: [Title] "europäischen" [= European]. **Preoccupied**. Junior primary homonym of *Chironomus modestus* Say, 1823 – the latter is a valid species of *Dicrotendipes* Kieffer, 1913 (Subfamily Chironominae).

petrensis KIEFFER, 1913: *Bulletin de la Société d'Histoire Naturelle de Metz* **28**: 34 (*Brillia*). Type-locality: "Allemagne" [= Germany].

brevinervis KIEFFER in THIENEMANN & KIEFFER, 1916: *Archiv für Hydrobiologie Supplement* **2**(3): 516 (*Brillia*). Type-locality: {Sweden} "Quelloch oberhalb von Tinkarp" [= Spring opening above Tinkarp] [**Note**]

sylvestris GOETGHEBUER, 1921: *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 82 (*Brillia*). Type-localities: {Belgique} [p. 21] "en Flandre que dans les bois de Melle" [= in Flanders in the forest of Melle]; [p. 188] "Les Flandres"; "forêt de Soignes (M. B.)" [= forest of Soignes (Moyenne Belgique)]; "Virton (H. B.)" [H. B. = Haute Belgique], [Belgique = Belgium]. [**Note**]

arcuata KIEFFER, 1923: *Annales de la Société Scientifique de Bruxelles, 2e partie (Mémoires)* **42**: 160 (*Brillia*). Type-locality: [Germany] "Westphalie : larve sur *Fontinalis* dans la Diemel" [= Westphalia : larva on *Fontinalis* in the Diemel]. ‖►Type-locality: [Germany, Westphalia] "aus *Fontinalis* der Diemel bei Nieder-Marsberg" [= from *Fontinalis* in the Diemel at Nieder-Marsberg] in Thienemann, 1919: *Jahresbericht des Westfälischen Provincial-Vereins für*

Wissenschaft und Kunst (Zoologische Sektion) **47**: 32◄‖.

arcuata THIENEMANN, 1919: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst (Zoologische Sektion)* **47**: 32 (*Brillia*). Locality: [Germany, Westphalia] "aus *Fontinalis* der Diemel bei Nieder-Marsberg" [= from *Fontinalis* in the Diemel at Nieder-Marsberg]. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

brevicornis WANG, ZHENG & JI, 1994: *Acta Entomologica Sinica* **37**(3): 361 (*Brillia*). Type-locality: [p. 363, English Summary] {China} "Sichuan Province (Mt. Jinfo, 29.0°N, 107.1°E)". — Distr.: **OR**: China (Sichuan).

brevimera WANG & ZHENG, 1993: *Netherlands Journal of Aquatic Ecology* **26**(2/4): 249 (*Brillia*). Locality: {China} "Sichuan". Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

flavifrons (JOHANNSEN, 1905): *Bulletin of the New York State Museum* **86**: 301 (*Metriocnemus*). Type-locality: [U.S.A.] "Ithaca N. Y." [N. Y. = New York]. — Distr.: **NE**: Canada (Alberta, British Columbia, Manitoba, New Brunswick, Newfoundland and Labrador, Northwest Territories, Ontario, Québec, Saskatchewan), U.S.A. (Alabama, Arkansas, Florida, Georgia, Kansas, Louisiana, Maryland, Michigan, Minnesota, Montana, New Mexico, New York, North Carolina, Ohio, Oregon, Pennsylvania, South Carolina, South Dakota, Virginia, Wisconsin, Wyoming); **PA**: **?**Austria, **?**Belgium, **?**Corsica, **?**Czech Republic, **?**Denmark, **?**France, **?**Germany, **?**Ireland, **?**Italy, **?**Lebanon, Japan, **?**Morocco, **?**Romania, Russia (CET, **?**NET, Far East, East Siberia, West Siberia), **?**Slovakia, **?**Spain, **?**Switzerland. [**Note**]

japonica TOKUNAGA, 1939: *Philippine Journal of Science* **69**(3): 306 (*Brillia*). Type-locality: "Honshu, Japan . . . Yamashina, Kyoto". — Distr.: **PA**: Japan, South Korea; **OR**: China (Fujian), Japan (Ryukyu Archipelago).

kultia SINGH, 1958: *Proceedings of the National Academy of Sciences of India* (B) **28**: 308

(*Brillia*). Type-locality: {India} "Kulti Nal, 3535 m". — Distr.: **OR**: India (Himachal Pradesh).

laculata OLIVER & ROUSSEL, 1983: *Canadian Entomologist* **115**(3): 268 (*Brillia*). Type-locality: "U.S.A., Oregon, Eagle Creek 3 mi. s.w. Cascade Locks". — Distr.: **NE**: U.S.A. (Oregon, Washington, Wyoming); **PA**: Russia (Far East).

longifurca KIEFFER, 1921: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 86 (*Brillia*). Type-localities: [Poland] "Silésie" [= Silesia]; "Allemagne du Nord, lac Edeberg" [= northern Germany, Edeberg Lake]. — Distr.: **PA**: Algeria, Austria, Belgium, Bulgaria, Croatia, Czech Republic, Estonia, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Kaliningrad, Lebanon, Lithuania, Luxembourg, Macedonia, Moldova, Mongolia, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET), Slovakia, Spain, Sweden, Switzerland, Turkey, ¶Yugoslavia. [**Note**]

fulvofasciata KIEFFER, 1921: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 86 (*Brillia*; as "*Fulvofasciata*"; as var. of *longifurca* Kieffer, 1921). Type-locality: [Poland] "Silésie" [= Silesia].

ogasaquinta SASA & SUZUKI, 1997: *Medical Entomology and Zoology* **48**(4): 324 (*Brillia*). Type-locality: {Japan, Ogasawara Islands} "Kitamura, Hahajima". — Distr.: **PA**: Japan; **OC**: Bonin Islands.

parva JOHANNSEN, 1934: *Journal of the New York Entomological Society* **42**: 351 (*Brillia*). Type-locality: [U.S.A.] "McLean Bogs, McLean, N. Y." [N. Y. = New York]. — Distr.: **NE**: Canada (New Brunswick, Newfoundland and Labrador, Ontario, Québec), U.S.A. (California, Maine, Massachusetts, New Hampshire, New York, North Carolina, Ohio, Pennsylvania, South Carolina, Vermont).

pudorosa COBO, GONZALEZ & VIEIRA-LANERO, 1995: *Annales de Limnologie* **31**(4): 246 (*Brillia*). Type-locality: "Valdomir, Sierra del Caurel, river Lor (Lugo, Spain), UTM 29TPH4616,450 m a.s.l.". — Distr.: **PA**: France, Spain.

retifinis SÆTHER, 1969: *Bulletin of the Fisheries Research Board of Canada* **170**: 37 (*Brillia*). Type-locality: [Canada] "small mountain stream, . . . Marion Lake,

University of British Columbia Forestry Farm, Haney, B.C." [B.C. = British Columbia]. — Distr.: **NE**: Canada (Alberta, British Columbia, Manitoba, Saskatchewan), U.S.A. (Alaska, California, Colorado, Idaho, Oregon, Washington, Wyoming).

sera ROBACK, 1957: *Monographs of the Academy of Natural Sciences of Philadelphia* **9**: 64 (*Brillia*). Type-locality: [U.S.A.] "Fairmount Park, Philadelphia, Pa." [Pa. = Pennsylvania]. — Distr.: **NE**: U.S.A. (Alabama, Georgia, New Hampshire, North Carolina, Pennsylvania, South Carolina).

tonewheia SASA & TANAKA, 2002: *Annual Report of the Gunma Prefecture Institute of Public Health and Environmental Science* **34**: 37 (*Brillia*). Type-locality: {Japan} [Title, p. 27] "Tone River, Gunma Prefecture"; [p. 37] "at Taisho Bridge". — Distr.: **PA**: Japan.

Nomina dubia in BRILLIA

dendrophila ZVEREVA, 1950: *Entomologicheskoe Obozrenie* **31**(1/2): 279 (*Brillia*). Type-localities: [Russia, Northern European Territory] **Pechora, Vychegda, Sysola** [= River Pechora, River Vychegda, River Sisola].

immaculata BOTNARIUC & CURE, 1956: *Analele Institutului de Cercetari Piscicole al Romaniei* **17**: 263 (*Brillia*). Type-locality: {Romîne} "în muntii Sebeşului: . . .lacului . . . de la Oaşa" [= in the Sebeş Mountains: . . .Lake Oaşa] [Romîne = Romania].

pallida CHERNOVSKII, 1949: *Opredeliteli po Faune SSSR, izdavaemye Zoologicheskim Institutom AN SSSR* **31**: 111 (*Brillia*; as "*pallida* Spärck"; an unspecified nom. nov. for *Brillia* sp. Spärck, 1923). Type-locality: Not given ‖►Type-locality [Denmark] "in dem Gudenaa bei Gammelstrup Bro (Jütland)" [= in the Gudenaa near Gammelstrup Bro (Jütland)] in Spärck, 1923: *Entomologiske Meddelelser* **14**(2/3): 75-76, as *Brillia* sp.◄‖.

seitenstettensis (STROBL, 1880): *Dipterologische Funde um Seitenstetten*: 54 (*Chironomus*). Type-localities: [Austria] {Seitenstetten} "in der Fröschelau" [= in the

Fröschelau]; "an Bachrändern" [= at brook edges]; "Waldrändern" [= forest edges];"in einer Bachschlucht unterhalb Michael" [= in a brook gorge below Michael]. [**Note**]

Genus **BRYOPHAENOCLADIUS** THIENEMANN

BRYOPHAENOCLADIUS THIENEMANN, 1934: *Encyclopédie Entomologique, B-II, Diptera* **7**: 36. Type-species: *Orthocladius muscicola* Kieffer, 1906, by original designation.

CANTOMYIA ROBACK, 1962: *Notulae Naturae* **355**: 5. Type-species: *Cantomyia cara* Roback, 1962, by original designation. Synonymized with *Bryophaenocladius* Thienemann, 1934, by Sæther (1976: *Bulletin of the Fisheries Research Board of Canada* **195**: 271).

CLINOCLADIUS SUBLETTE, 1970: *Journal of the Kansas Entomological Society* **43**(1): 50. Type-species: *Orthocladius* (*Orthocladius*) *subparallelus* Malloch, 1915, by original designation. Synonymized with *Bryophaenocladius* Thienemann, 1934, by Sæther (1976: *Bulletin of the Fisheries Research Board of Canada* **195**: 271).

PLATYCLADIUS SUBLETTE, 1970: *Journal of the Kansas Entomological Society* **43**(1): 82. Type-species: *Orthocladius* (*Dactylocladius*) *pleuralis* Malloch, 1915, by original designation. Synonymized with *Bryophaenocladius* Thienemann, 1934, by Cranston, Oliver & Sæther (1983: *Entomologica Scandinavica Supplement* **19**: 159).

ODONTOCLADIUS ALBU, 1974: *Entomologisk Tidskrift Supplement* **95**: 9 (as subgenus of *Bryophaenocladius* Thienemann, 1934). Type-species: Not given. Name not made available - not accompanied by the fixation of a type-species contrary to Article 13.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**. Synonymized with *Bryophaenocladius* Thienemann, 1934, by Ashe (*Entomologica Scandinavica Supplement* **17**: 37).

OKINAWAYUSURIKA SASA & HASEGAWA, 1988: *Japanese Journal of Sanitary Zoology* **39**(3): 243. Type-species: *Okinawayusurika otsurui* Sasa & Hasegawa, 1988, by original designation. Synonymized with *Bryophaenocladius* Thienemann, 1934, by

Sæther, Ashe & Murray (2000: *Manual of Palaearctic Diptera* **4** (Appendix): 173).

ODONTOCLADIUS TATOLE, 1993: *Revue Roumaine de Biologie, Série de Biologie Animale* **38**(2): 112. Type-species: *Bryophaenocladius* (*Odontocladius*) *nigrus* Albu, 1974, by original designation. Synonymized with *Bryophaenocladius* Thienemann, 1934, by Evenhuis, Pape & Pont (2008: *Zootaxa* **1912**: 21).

KUROYONYUSURIKA SASA, 1996: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996** (**December**): 23. Type-species: *Kuroyonyusurika kuroheius* Sasa, 1996, by original designation. Synonymized with *Bryophaenocladius* Thienemann, 1934, by Sæther, Ashe & Murray (2000: *Manual of Palaearctic Diptera* **4** (Appendix): 173).

MONGOLYUSURIKA SASA & SUZUKI, 1997: *Japanese Journal of Tropical Medicine and Hygiene* **25**(4): 182. Type-species: *Mongolyusurika mongolxeyeus* Sasa & Suzuki, 1997, by original designation. Synonymized with *Bryophaenocladius* Thienemann, 1934, by Sæther, Ashe & Murray (2000: *Manual of Palaearctic Diptera* **4** (Appendix): 173).

OMURACLADIUS SASA & SUZUKI, 1998: *Bulletin of Toyama Prefectural Environmental Pollution Research Center* **25**(3): 87. Type-species: *Trissocladius matsuoi* Sasa & Shimomura, 1993, by original designation. Synonymized with *Bryophaenocladius* Thienemann, 1934, by Sæther, Ashe & Murray (2000: *Manual of Palaearctic Diptera* **4** (Appendix): 173).

TUSIMAYUSURIKA SASA & SUZUKI, 1999: *Tropical Medicine* **41**(2): 104. Type-species: *Tusimayusurika tusimucedea* Sasa & Suzuki, 1999, by original designation. Synonymized with *Bryophaenocladius* Thienemann, 1934, by Yamamoto (2004: *Makunagi* **21**: 9).

aestivus (BRUNDIN, 1947): *Arkiv för Zoologi* **39A**: 30 (*Eudactylocladius*). Type-locality: {Sweden} "Sm. Skärshultsjön . . . in Mischwald am Ufer" [= Småland Skärshultsjön . . . in mixed forest on the shore] [Lectotype designated in Du, Wang & Sæther, 2011: *Zootaxa* **2743**: 41, "SWEDEN: Småland, Lake Skärshultsjön, mixed forest at shore"]. — Distr.: **NE**: U.S.A. (Alaska,

Pennsylvania); **PA**: Austria, Denmark, Finland, France, Germany, Great Britain, Ireland, Italy, **?**Madeira, Norway, Russia (CET), Sweden.

akiensis (SASA, SHIMOMURA & MATSUO, 1991): *Japanese Journal of Sanitary Zoology* **42**(4): 286 (*Okinayayusurika*). Type-locality: {Japan} "Furukawa River, a tributary of Ohta River, Hiroshima Prefecture". — Distr.: **PA**: Japan, **?**Madeira, Russia (NET, Far East).

angustus (FREEMAN, 1961): *Mémoires de l'Institut Scientifique de Madagascar* (Série E) **12**: 241 (*Chaetocladius*). Type-locality: "Madagascar Centre : Pic Boby, 2.400 m". — Distr.: **AF**: Madagascar.

astis (ROBACK, 1957): *Proceedings of the Academy of Natural Sciences of Philadelphia* **109**: 12 (*Hydrobaenus*). Type-locality: [U.S.A.] "Lemon's Grove, 3 miles south of Kamas, Summit County, Utah". — Distr.: **NE**: Canada (British Columbia), U.S.A. (Utah).

traenis (ROBACK, 1957): *Proceedings of the Academy of Natural Sciences of Philadelphia* **109**: 12 (*Hydrobaenus*). Type-locality: [U.S.A.] "Lemon's Grove, 3 miles south of Kamas, Summit County, Utah".

auritus MAKARCHENKO & MAKARCHENKO, 2006: *Far Eastern Entomologist* **158**: 5 (*Bryophaenocladius*). Type-locality: "Gytgylveirhipylhen River, the upper reaches (Velikaya River basin), North East spurs of Koryak upland region, Chukotka, Russian Far East". — Distr.: **PA**: Russia (Far East).

bicolor WANG, SÆTHER & ANDERSEN, 2002: *Studia Dipterologica* **8**(2): 451 (*Bryophaenocladius*). Type-locality: "TANZANIA: Tanga Region, West Usambara Mts, Mazumbai". — Distr.: **AF**: Tanzania.

brincki (FREEMAN, 1955): *South African Animal Life* **2**: 368 (*Eudactylocladius*). Type-locality: [South Africa] "Cape Prov.: Tzitzikama Forest, Stormsrivier". — Distr.: **PA**: France, Turkey; **AF**: D.R.Congo, Ethiopia, Kenya, Madagascar, South Africa, Tanzania, Zimbabwe.

carolinae DONATO, 2011: *Revista de la Sociedad Entomologica Argentina* **70**(3/4): 208 (*Bryophaenocladius*). Type-locality: "ARGENTINA. Buenos Aires: . . . Los

Hornos, 34º 57′ 32″S- 58º 00′ 57″W". — Distr.: **NT**: Argentina.

carus (ROBACK, 1962): *Notulae Naturae* **355**: 5 (*Cantomyia*). Type-locality: [Panama] "Holbrook Air Force Base, Curundu, Canal Zone". — Distr.: **NT**: Brazil, Panama, **?**St. Vincent.

chrissichuckorum EPLER, 2012: *Zootaxa* **3355**: 52 (*Bryophaenocladius*). Type-locality: "U.S.A., Georgia, Columbia County, Heggie's Rock Preserve (The Nature Conservancy), 33.543472°N, 82.255768°W". — Distr.: **NE**: U.S.A. (Georgia).

clavatus ANDERSEN & MENDES, 2010: *Arthropod Fauna of the UAE* **3**: 570 (*Bryophaenocladius*). Type-locality: "United Arab Emirates, Wadi Maidaq [25°19'N, 56°08'E], 410 m a.s.l.". — Distr.: **PA**: United Arab Emirates. [**Note**]

conicus (FREEMAN, 1953): *Proceedings of the Royal Entomological Society* (B) **22**(11/12): 201 (*Orthocladius*). Type-locality: [South Africa] "Berg River, Piquetberg". — Distr.: **AF**: Madagascar, South Africa.

cristatus WANG, SÆTHER & ANDERSEN, 2002: *Studia Dipterologica* **8**(2): 453 (*Bryophaenocladius*). Type-locality: "GHANA: Greater Accra Region, Legon, Botanical Garden". — Distr.: **AF**: Ghana.

cuneiformis ARMITAGE, 1987: *Aquatic Insects* **9**(1): 33 (*Bryophaenocladius* (*Odontocladius*)). Type-locality: {Canary Islands} "Tenerife, 16°31'W 28°21'N, from Pine Forest". — Distr.: **PA**: Canary Islands; **OR**: China (Zhejiang).

dentatus (KARL, 1937): *Arbeiten über Morphologische und Taxonomische Entomologie* **4**(3): 235 (*Orthocladius* (*Chaetocladius*)). Type-locality: {Deutschland} "bei Stolp in der Westphalschen Sandgrube an der Ritzower Chaussee" [= in the Westphalian sandpit at Stolp on the Ritzow highway] [Deutschland = Germany]. — Distr.: **PA**: Finland, Germany, Great Britain, Russia (Far East). [**Note**]

digitatus SÆTHER, 1973: *Canadian Entomologist* **105**(1): 55 (*Bryophaenocladius*). Type-locality: [U.S.A.] "Missouri River, Clay County Park, Vermillion, South Dakota". — Distr.: **NT**: Mexico (Campeche); **NE**: U.S.A. (Arkansas, Florida, North Carolina, South Carolina, South Dakota).

distinctus MAKARCHENKO & MAKARCHENKO, 2006: *Far Eastern Entomologist* **158**: 7 (*Bryophaenocladius*). Type-locality: "unnamed stream about 2 km from Kievka Village, Lazovsky district, Primorye Territory, Russian Far East". — Distr.: **PA**: Russia (Far East).

doriceni MAKARCHENKO & MAKARCHENKO, 2009: *Evraziatskii Entomologicheskii Zhurnal* **8**, Supplement **1**: 55 (*Bryophaenocladius*). Type-locality: {Russia, Far East} **Primorskii krai, Khasanskii r-n, okr. pos. Khasan, oz. Lotos** [= Primorsky Krai, Khasansky District, in the vicinity of the settlement of Khasan, Lake Lotos]. — Distr.: **PA**: Russia (Far East).

emarginatus (EDWARDS, 1931): *Diptera of Patagonia and South Chile* **2**(5): 297 (*Spaniotoma* (*Smittia*)). Type-locality: [Argentina] "Puerto Blest". — Distr.: **NT**: Argentina, Chile.

faegrii SCHNELL, 1991: *Entomologica Scandinavica* **21**(4): 439 (*Bryophaenocladius*). Type-locality: "NORWAY: Hordaland, Bergen, Sudmannsvei 12". — Distr.: **PA**: Norway.

famiijeus (SASA, 1996): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996** (**March**): 58 (*Epoicocladius*). Type-locality: [Introduction, p. 16] "Japan . . . in the zoological garden called Toyama City Family Park on the foot of Kureha Hill"; [p. 47] "at the side of Rokusen Lake" [= Lake B, p. 16]. — Distr.: **PA**: Japan.

femineus (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 343 (*Spaniotoma* (*Orthocladius*)). Type-locality: [Great Britain] "Saltesley Moss, Cheshire". — Distr.: **PA**: Belgium, Great Britain, **?**Ireland, Netherlands.

filipes (SANTOS-ABREU, 1918): *Memorias de la Real Academia de Ciencias y Artes de Barcelona* **14**(2): 191 (*Orthocladius* (*Orthocladius*)). Type-localities: {Canary Islands} "en la Dehesa de la Encarnatión" [= on the Dehesa de la Encarnatión]; "en el Barranco del Río, en la isla de la Palma" [= in the Barranco del Río, on the island of La Palma] [Lectotype designated in Cranston & Armitage, 1988: *Deutsche Entomologische Zeitschrift, N. F.* **35**: 344, "Canary Islands: La Palma,

either from Estio en la Dehesa de la Encarnatión or Barranco del Río "]. — Distr.: **PA**: Canary Islands. [**Note**]

flagelligus WANG, SÆTHER & ANDERSEN, 2002: *Studia Dipterologica* **8**(2): 455 (*Bryophaenocladius*). Type-locality: "TANZANIA: Tanga Region, West Usambara Mts, Kiboholo river, Lushoto". — Distr.: **AF**: Tanzania.

flavoscutellatus (MALLOCH, 1915): *Bulletin of the Illinois State Laboratory of Natural History* **10**: 523 (*Orthocladius* (*Orthocladius*)). Type-locality: [U.S.A.] "Muncie, Ill., . . . on bank of Stony Creek" [Ill. = Illinois]. — Distr.: **NE**: Canada (New Brunswick, Ontario), U.S.A. (Georgia, Illinois, North Carolina); **PA**: Russia (Far East).

flexidens (BRUNDIN, 1947): *Arkiv för Zoologi* **39A**: 24 (*Chaetocladius*). Type-localities: {Sweden} "Jmtl. Gäddede . . . an der Stromschnelle" [= Jämtland Gäddede . . . at the rapids]; "Jormsjön . . . an der Mündung des Blåsjöälven" [= Jormsjön . . . at the mouth of the Blåsjöälven] [Lectotype designated in Du, Wang & Sæther, 2011: *Zootaxa* **2743**: 42, "SWEDEN: Jämtland, Gäddede, at the rapids"]. — Distr.: **PA**: Austria, Denmark, Finland, France, Germany, Great Britain, Norway, Romania, Spain, Sweden. [**Note**]

fujidecimus (SASA, 1985): *Research Report from the National Institute for Environmental Studies* **83**: 129 (*Limnophyes*). Type-locality: {Japan, Mount Fuji area} "on the shore of Lake Kawaguchi". — Distr.: **PA**: Japan. [**Note**]

fumosinus (CURRAN, 1930): *Bulletin of the American Museum of Natural History* **61**: 33 (*Camptocladius*). Type-locality: [U.S.A.] [p. 21] "Harriman Interstate Park . . . near the southern end of the park about three miles from the village of Tuxedo, N. Y." [N. Y. = New York]. — Distr.: **NE**: U.S.A. (New York, Ohio, South Carolina).

furcatus (KIEFFER in THIENEMANN & KIEFFER, 1916): *Archiv für Hydrobiologie Supplement* **2**(3): 535 (*Dactylocladius*). Type-locality: {Sweden} "in Jönköping am Ufer des Vättern" [= in Jönköping on the shore of Vättern] [Neotype designation in Cranston, 1987: *Bulletin of Entomological Research* **77**(4): 662,

[Germany] "GERMAN FEDERAL REPUBLIC: Walkoppel"] [Walkoppel = Waldkoppel in Plön = forest belt in Plön]. — Distr.: **NE**: U.S.A. (Maine, New York); **PA**: Czech Republic, Finland, Germany, Great Britain, Ireland, Netherlands, Sweden, Turkey. [**Note**]

virgo THIENEMANN & STRENZKE, 1940: *Zoologischer Anzeiger* **132**(1/2): 24 (*Bryophaenocladius*). Type-localities: [Germany] "Waldkoppel in Plön" [= forest belt in Plön]; "Trentsees bei Plön" [= Trentsees near Plön]; "der kleine Uklei-See" [= the small Uklei-See]; "Bonn" [Lectotype designation in Cranston, 1987: *Bulletin of Entomological Research* **77**(4): 662, [Germany] "GERMAN FEDERAL REPUBLIC: Walkoppel"] [Walkoppel = Waldkoppel in Plön = forest belt in Plön]. [**Note**]

humerosus WANG, ANDERSEN & SÆTHER, 2006: *Studies on Neotropical Fauna and Environment* **41**(1): 26 (*Bryophaenocladius*). Type-locality: "Mexico, Morelos, Parque Nacional Lagunas de Zempoala, Laguna de Zempola" [error, Laguna de Zempola = Laguna de Zempoala]. — . Distr.: **NE**: Mexico (Morelos).

ictericus (MEIGEN, 1830): *Systematische Beschreibung* **6**: 253 (*Chironomus*). Type-locality: [Title] "europäischen" [= European]. — Distr.: **PA**: Austria, Belgium, Croatia, Denmark, Finland, France, Germany, Great Britain, Iceland, Ireland, Netherlands, Norway, Portugal, Romania, Russia (NET), Spain, Sweden.

bipunctellus (ZETTERSTEDT, 1850): *Diptera Scandinaviæ disposita et discripta* **9**: 3545 (*Chironomus*). Type-localities: [Sweden] "in Jemtland . . . Faxelfven . . . & ad radicem alpium Mulfjellen" [= in Jämtland . . . Faxelfven . . . and at the base of Mulfjellen mountain]; "alpino Norwegiæ" [= Norwegian mountains].

pertenuis (WALKER, 1856): *Insecta Britannica Diptera* **3**: 182 (*Chironomus*). Type-locality: [Great Britain] "(E.)" [= England].

ochraceus (GOETGHEBUER, 1921): *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 84 (*Dactylocladius*). Type-locality: {Belgique} [p. 168] Bruxelles"; [p. 189] "Bruxelles (M. B.)" [M. B. = Moyenne Belgique], [Belgique = Belgium].

ikiheius SASA & SUZUKI, 1999: *Tropical Medicine* **41**(3): 156 (*Bryophaenocladius*). Type-locality: [Title, p. 143] "Western Japan. . . . Iki Island"; [p. 156] "Ikishimaso". — Distr.: **PA**: Japan.

illimbatus (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 343 (*Spaniotoma* (*Orthocladius*)). Type-locality: [Great Britain] "Letchworth, Herts." [Herts. = Hertfordshire]. — Distr.: **PA**: Finland, France, Germany, Great Britain, Italy, Madeira, Moldova, Netherlands, Romania, Spain.

imberbus ANDERSEN & SCHNELL, 2000: *Aquatic Insects* **22**(1): 49 (*Bryophaenocladius*). Type-locality: "TANZANIA: Tanga Region, West Usambara Mts, Mazumbai, Kaputu Stream, loc. 10, 1420 m a.s.l.". — Distr.: **AF**: Tanzania.

impectinus SÆTHER, 1976: *Bulletin of the Fisheries Research Board of Canada* **195**: 273 (*Bryophaenocladius*). Type-locality: [U.S.A.] "Jocassee Reservoir, 335 m above sea level, Salem, S.C." [S.C. = South Carolina]. — Distr.: **NE**: U.S.A. (North Carolina, South Carolina).

inawexeus SASA, KITAMI & SUZUKI, 2001: *Memoirs of the Museum of Dr. Hideyo Noguchi*: 21 (*Bryophaenocladius*). Type-locality: [Abstract, p. 2] "on the shore of Lake Inawashiro . . . Japan". — Distr.: **PA**: Japan.

inconstans (BRUNDIN, 1947): *Arkiv för Zoologi* **39A**: 28 (*Eudactylocladius*). Type-locality: {Sweden} "Sm. Gem. Söraby: Vartorp . . . am Fluss" [= Småland, Söraby Municipality: Vartorp . . . at the river]. — Distr.: **PA**: Finland, Germany, Great Britain, Italy, Norway, Romania, Russia (East Siberia), Sweden. [**Note**]

iriopequesus (SASA & SUZUKI, 2000): *Tropical Medicine* **42**(1): 23 (*Limnophyes*). Type-locality: {Japan} [p. 11] "Iriomote Island"; [p. 23] "at the side of Kuira River". — Distr.: **OR**: Japan (Ryukyu Archipelago).

joganbilobus (SASA & OKAZAWA, 1991): *Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 60 (*Paralimnophyes*). Type-locality: {Joganji River, Toyama, Japan} [p. 60] "at St.4" [= "Shomyo River originating from Mount Tateyama" on p. 53]. — Distr.: **PA**: Japan.

kalengoensis LEHMANN, 1979: *Spixiana Supplement* **3**: 36 (*Bryophaenocladius*). Type-

locality: [Democratic Republic of the Congo] "Kalengo, Zaire". — Distr.: **AF**: D.R.Congo, Tanzania.

kobayashii MAKARCHENKO & MAKARCHENKO, 2006: *Far Eastern Entomologist* **158**: 10 (*Bryophaenocladius*). Type-locality: "mouth of Naiba River (47°24'992''N 142°45'384''E), about 2-4 km from Starodubskoe Village, Sakhalin Island, Russian Far East". — Distr.: **PA**: Russia (Far East).

korkishkoi MAKARCHENKO & MAKARCHENKO, 2006: *Far Eastern Entomologist* **158**: 10 (*Bryophaenocladius*). Type-locality: "Kaskadny Stream, Khasansky district, Kedrovaya Pad nature reserve, Primorye Territory, Russian Far East". — Distr.: **PA**: Russia (Far East).

kurobeaimotoi (SASA & OKAZAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 70 (*Okinawayusurika*). Type-locality: [Japan] [p. 66] "Kurobe River area", [p. 70] "Aimoto Bridge". — Distr.: **PA**: Japan.

kurobexpansus (SASA & OKAZAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 70 (*Okinawayusurika*). Type-locality: [Japan] "at the side of Kurobe River at Unazuki". — Distr.: **PA**: Japan.

kurogeheus (SASA, 1996): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996** (**December**): 22 (*Hydrobaenus*). Type-locality: [Japan] "at the side of Kuroyon Dam". — Distr.: **PA**: Japan.

kuroheius (SASA, 1996): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996** (**December**): 23 (*Kuroyonyusurika*). Type-locality: [Japan] "at the side of Kuroyon Lake". — Distr.: **PA**: Japan.

lacunarum (GOETGHEBUER, 1932): *Bulletin et Annales de la Société Entomologique de Belgique* **71**(11): 217 (*Smittia*). Type-locality: "Belgique : La Panne, . . . près d'une mare temporaire, dans les dunes de la côte" [= Belgium : La Panne, . . . near a temporary pool, in the dunes of the coast]. — Distr.: **PA**: Belgium. [**Note**]

lanceolatus MAKARCHENKO & MAKARCHENKO, 2006: *Far Eastern Entomologist* **158**:

12 (*Bryophaenocladius*). Type-locality: "unnamed small brackish lake near Perevoznaya Village, (43°01'15''N, 131°33'05''E), Khasansky district, Primorye Territory, Russian Far East". — Distr.: **PA**: Russia (Far East).

laticaudus SÆTHER, 1973: *Canadian Entomologist* **105**(1): 55 (*Bryophaenocladius*). Type-locality: [U.S.A.] "Lake Francis Case, Platte Bay, South Dakota". — Distr.: **NE**: U.S.A. (South Dakota).

longipenis GHOSH & CHAUDHURI, 1984: *Journal of the Bengal Natural History Society (New Series)* **2**(1): 28 (*Bryophaenocladius*). Type-locality: "India, West Bengal, Darjeeling". — Distr.: **OR**: India (West Bengal). [**Note**]

manifestus GHOSH & CHAUDHURI, 1984: *Journal of the Bengal Natural History Society (New Series)* **2**(1): 29 (*Bryophaenocladius*). Type-locality: "India, West Bengal, Darjeeling". — Distr.: **OR**: India (West Bengal). [**Note**]

matsuoi (SASA & SHIMOMURA, 1993): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1993**: 107 (*Trissocladius*). Type-locality: [Japan] "at the side of a moat of Hiroshima Castle". — Distr.: **PA**: Japan.

mazumbaiensis ANDERSEN & SCHNELL, 2000: *Aquatic Insects* **22**(1): 52 (*Bryophaenocladius*). Type-locality: "TANZANIA: Tanga Region, West Usambara Mts, Mazumbai, Kaputu Stream, loc. 10, 1420 m a.s.l.". — Distr.: **AF**: Tanzania.

moneronus MAKARCHENKO & MAKARCHENKO, 2006: *Far Eastern Entomologist* **158**: 13 (*Bryophaenocladius*). Type-locality: "Bolshoi Stream (46°15'844''N, 141°14'680''E), Chuprov Bay, Moneron Island in Tatarsky Bay, Russian Far East". — Distr.: **PA**: Russia (Far East).

mongolxeyeus (SASA & SUZUKI, 1997): *Japanese Journal of Tropical Medicine and Hygiene* **25**(4): 183 (*Mongolyusurika*). Type-locality: {Mongolia} "Bogdrhan . . . 2,200 m high from sea level" [Bogdrhan = Bogd Khan]. — Distr.: **PA**: Mongolia.

muscicola (KIEFFER, 1906): *Annales de la Sociétés Scientifique de Bruxelles, 2e partie*

(Mémoires) **30**: 332 (*Orthocladius*). Type-locality: [France] "sous les mousses qui recouvrent la terre et les pierres dans les endroits ombragés des jardins . . . Bitche" [= under moss covering the earth and stones in shady gardens . . . Bitche]. — Distr.: **PA**: Finland, France, Germany, Great Britain, Netherlands, Poland, Portugal, Slovakia, Spain, Turkey.

muscicola (KIEFFER, 1906): *Genera Insectorum* **42**: 27 (*Orthocladius* (*Orthocladius*)). Localities: "Allemagne" [= Germany]; [France] "Bitche". Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

nadezhdae MAKARCHENKO & MAKARCHENKO, 2009: *Evraziatskii Entomologicheskii Zhurnal* **8**, Supplement **1**: 57 (*Bryophaenocladius*). Type-locality: {Russia, Far East} **Khabarovskii krai, Bol′shekhekhtsirskii prirodnyi zapovednik, ruch. Sosninskii, gornaya chast′, 400 m nad urovnem morya** [= Khabarovsk Krai, Bol′shekhekhtsirsk Nature Reserve, Sosninsk brook, alpine part, 400 metres above sea level]. — Distr.: **PA**: Russia (Far East).

nidorum (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 342 (*Spaniotoma* (*Orthocladius*)). Type-locality: [Great Britain] "Oxford, . . .in blackbird's nest in Museum Parks". — Distr.: **PA**: Austria, Finland, France, Germany, Great Britain, Mongolia, Norway, Novaya Zemlya, Netherlands, Romania, Russia (NET), Switzerland.

nigrus ALBU, 1974: *Entomologisk Tidskrift Supplement* **95**: 11 (*Bryophaenocladius* (*Odontocladius*)). Type-locality: {Roumania} "in Eşelnița (the Iron Gates region of the Danube)" [Roumania = Romania]. — Distr.: **PA**: Finland, Germany, Romania.

niger: incorrect subsequent spelling.

nitidicollis (GOETGHEBUER, 1913): *Annales de Biologie Lacustre* **6**(2/3): 163 (*Camptocladius*). Type-locality: {Belgique} "à Destelbergen lez-Gand" [Belgique = Belgium]. — Distr.: **PA**: Belgium, Finland, Germany, Great Britain, Hungary, Ireland, Netherlands, Norway, Romania, Russia (Far East),

Spain.

nodosus HAZRA & DAS, 2011: *International Journal of Dipterological Research* **22**(3): 140 (*Bryophaenocladius*). Type-locality: "INDIA . . . West Bengal: Tiger Hill, Darjeeling (27° and 88.283°E)". — Distr.: **OR**: India (West Bengal).

novaesemliae (KIEFFER, 1922): *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **2**: 18 (*Trichocladius*; as "*novae-Semliae*"). Type-locality: [Russia] {Nouvelle-Zemble} "Ile Blaafjell, Mashigin Fjord." — Distr.: **PA**: Novaya Zemlya. [**Note**]

novosemliae: incorrect subsequent spelling.

nudisquama CASPERS & REISS, 1987: *Spixiana* **10**(1): 17 (*Bryophaenocladius* (*Bryophaenocladius*)). Type-locality: "(Österreich) . . . Lunz" [Österreich = Austria]. — Distr.: **PA**: Austria.

ogasaduodecimus (SASA & SUZUKI, 1997): *Medical Entomology and Zoology* **48**(4): 334 (*Paratrissocladius*). Type-locality: {Japan, Ogasawara Islands} "Sakaiura, Chichijima". — Distr.: **OC**: Bonin Islands.

oirasextus (SASA, 1991): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 74 (*Okinawayusurika*). Type-locality: {Japan} "at Nenokuchi". — Distr.: **PA**: Japan.

otsurui (SASA & HASEGAWA, 1988): *Japanese Journal of Sanitary Zoology* **39**(3): 244 (*Okinawayusurika*). Type-locality: {Ryukyu Islands, southern Japan} "on the shore of a small eutrophicated pool of the primary school on Ikema Island, Miyako". — Distr.: **OR**: Japan (Ryukyu Archipelago).

oturui: incorrect subsequent spelling.

paranudisquama WANG, LIU & EPLER, 2004: *Zootaxa* **581**: 2 (*Bryophaenocladius*). Type-locality: "USA: South Carolina: Barnwell Co., Savannah River Site, Pen Branch SRS Road B (PBI) 33°12'30''N, 81°38'05''W". — Distr.: **NE**: U.S.A. (South Carolina).

paraproductus CRANSTON & JUDD, 1989: *Fauna Saudi Arabia* **10**: 245 (*Bryophaenocladius*). Type-locality: "Saudi Arabia: Makkah, Harithi, 21° 18'N

40° 18'E, 1910 m. o.d.". — Distr.: **PA**: Saudi Arabia.

parimberbus WANG & DU in DU & WANG, 2010: *Acta Zootaxonomica Sinica* **35**(4): 750 (*Bryophaenocladius*). Type-locality: "China: Henan Province, Luanchuan County, Longyuwan Forestry Centre, alt 1000 m". — Distr.: **PA**: China (Henan); **OR**: China (Shaanxi). [**Note**]

pectinatus ALBU, 1974: *Entomologisk Tidskrift Supplement* **95**: 9 (*Bryophaenocladius* (*Odontocladius*)). Type-localities: {Roumania} "in Sinaia (Bucegi Mountains, Southern Carpathians"; "in Gura Zlata (Retezat Mountains, Southern Carpathians)" [Roumania = Romania]. — Distr.: **PA**: Romania.

pichinensis WANG, ANDERSEN & SÆTHER, 2006: *Studies on Neotropical Fauna and Environment* **41**(1): 28 (*Bryophaenocladius*). Type-locality: "Ecuador, Pinchincha Province, Quito, Parque Metropolitano, 2850 m a.s.l.". — Distr.: **NT**: Ecuador; **NE**: Mexico (Nuevo León, Puebla).

piltunensis MAKARCHENKO & MAKARCHENKO, 2006: *Far Eastern Entomologist* **158**: 15 (*Bryophaenocladius*). Type-locality: "Piltun River, North East part of Sakhalin Island, Russian Far East". — Distr.: **PA**: Russia (Far East).

pleuralis (MALLOCH, 1915): *Bulletin of the Illinois State Laboratory of Natural History* **10**: 527 (*Orthocladius* (*Dactylocladius*)). Type-locality: [U.S.A.] "St. Joseph, Ill., . . . on bank of Salt Fork" [Ill. = Illinois]. — Distr.: **NE**: U.S.A. (Illinois); **PA**: Russia (Far East).

polychaetus WANG, LIU & EPLER, 2004: *Zootaxa* **581**: 4 (*Bryophaenocladius*). Type-locality: "USA: North Carolina: Swain Co., Poplar Hollow Branch". — Distr.: **NE**: U.S.A. (North Carolina).

productus (FREEMAN, 1953): *Proceedings of the Royal Entomological Society* (B) **22**(11/12): 202 (*Eudactylocladius*). Type-locality: [South Africa] "Berg River, Wellington". — Distr.: **AF**: Chad, D.R.Congo, Cameroon, Chad, Ethiopia, Ghana, Kenya, Madagascar, South Africa.

propinquus (BRUNDIN, 1947): *Arkiv för Zoologi* **39A**: 29 (*Eudactylocladius*). Type-locality: {Sweden} "Sm. Skärshultsjön . . . in Mischwald am Ufer" [= Småland

Skärshultsjön . . . in mixed forest on the shore]. — Distr.: **PA**: **?**Finland, France, Sweden; **OR**: China (Fujian). [**Note**]

pseudosetosus MAKARCHENKO & MAKARCHENKO, 2009: *Evraziatskii Entomologicheskii Zhurnal* **8**, Supplement **1**: 58 (*Bryophaenocladius*). Type-locality: {Russia, Far East} **Khabarovskii krai, bezymyannyi ruchei v r-ne nulevogo kilometra r. Amur** [= Khabarovsk Krai, anonymous stream less then a kilometre from the River Amur]. — Distr.: **PA**: Russia (Far East).

psilacrus SÆTHER, 1982: *Entomologica Scandinavica* **13**(4): 500 (*Bryophaenocladius*). Type-locality: "U.S.A. . . . Swift Creek, U.S. Highway 521 south of Canneken, Kershaw Co., South Carolina". — Distr.: **NE**: U.S.A. (South Carolina); **PA**: Finland, Russia (Far East).

rostratus ANDERSEN & MENDES, 2010: *Arthropod Fauna of the UAE* **3**: 573 (*Bryophaenocladius*). Type-locality: "United Arab Emirates, Wadi Maidaq [25°19'N, 56°08'E], 410 m a.s.l.". — Distr.: **PA**: United Arab Emirates. [**Note**]

rotundilobus CASPERS & REISS, 1989: *Entomofauna* **10**(8): 114 (*Bryophaenocladius*). Type-locality: "Taşucu W Silifke, 10 m über NN (Provinz Mersin, Südtürkei)" [= Taşucu west of Silifke, 10 metres above sea level (Mersin Province, southern Turkey)]. — Distr.: **PA**: Turkey.

ruwenzoriensis (FREEMAN, 1956): *Bulletin of the British Museum (Natural History)* Entomology **4**(7): 328 (*Chaetocladius*). Type-locality: "UGANDA: Kigezi Distr., Mt. Muharura, 10-12,000 ft.". — Distr.: **AF**: Uganda, Zimbabwe.

saanae TUISKUNEN in TUISKUNEN & LINDEBERG, 1986: *Annales Zoologici Fennici* **23**(4): 376 (*Bryophaenocladius*). Type-locality: "Finland, Le, Enontekiö, Kilpisjärvi, at the Biological Station (767:25)". — Distr.: **PA**: Finland.

scanicus (BRUNDIN, 1947): *Arkiv för Zoologi* **39A**: 30 (*Eudactylocladius*). Type-locality: {Sweden} "Skåne. Vitemölla . . . in der Kräutervegetation an einem Bach nahe am Meeresufer" [= Skåne. Vitemölla . . . in the herbal vegetation at a stream near the seashore]. — Distr.: **PA**: China (Sichuan), Finland, France, Italy, Romania, Spain, Sweden. [**Note**]

sclerus WANG, LIU & EPLER, 2004: *Zootaxa* **581**: 5 (*Bryophaenocladius*). Type-locality: "USA: North Carolina: Swain Co., GRSM, Left Fork, Deep Creek, 3500 ft". — Distr.: **NE**: U.S.A. (North Carolina, Tennessee); **?PA**: ?Finland.

seiryujekeus (SASA, SUZUKI & SAKAI, 1999): *Tropical Medicine* **40**(3): 110 (*Okinawayusurika*). Type-locality: [Abstract, p. 99] "Shimanto River, western Shikoku Island, Japan"; [p. 110] "#5" [#5 = Nishitosa Ohashi, Nishitosa-mura]. — Distr.: **PA**: Japan.

setosus MAKARCHENKO & MAKARCHENKO, 2009: *Evraziatskii Entomologicheskii Zhurnal* **8**, Supplement **1**: 60 (*Bryophaenocladius*). Type-locality: {Russia, Far East} **Khabarovskii krai, Ul′chskii r-n, r. Chërnaya** [= Khabarovsk Krai, Ul′chsk District, River Chërnaya]. — Distr.: **PA**: Russia (Far East).

simplex WANG, ANDERSEN & SÆTHER, 2006: *Studies on Neotropical Fauna and Environment* **41**(1): 30 (*Bryophaenocladius*). Type-locality: "Mexico, Nuevo León, Allende, Rio Ramos at Raices, 2 km W Hyw. 85". — Distr.: **NE**: Mexico (Nuevo León).

simplicicoxus KAWAI, OKAMOTO & IMABAYASHI, 2002: *Medical Entomology and Zoology* **53**(2): 76: (*Bryophaenocladius*). Type-locality: "shore of the Ohta River, Yoshiwa-Mura, Saeki-Gun, Hiroshima Pref., Japan". — Distr.: **PA**: Japan.

simus (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 342 (*Spaniotoma* (*Orthocladius*)). Type-locality: [Great Britain] "Baldock, Herts." [Herts. = Hertfordshire]. — Distr.: **PA**: Great Britain, Ireland.

spinicaudus WANG, SÆTHER & ANDERSEN, 2002: *Studia Dipterologica* **8**(2): 459 (*Bryophaenocladius*). Type-locality: "GHANA: Greater Accra Region, Legon, Botanical Garden". — Distr.: **AF**: Ghana.

subparallelus (MALLOCH, 1915): *Bulletin of the Illinois State Laboratory of Natural History* **10**: 522 (*Orthocladius* (*Orthocladius*)). Type-locality: [U.S.A.] "Grand Tower, Ill., . . . on bank of Mississippi River" [Ill. = Illinois] [Lectotype designation in Frison, 1927: *Bulletin of the Illinois State Natural History Survey*

16: 174, [U.S.A.] "Grand Tower, Illinois, along Mississippi River"]. — Distr.: **NE**: U.S.A. (Illinois, Ohio, South Dakota); **PA**: Russia (CET, Far East).

subvernalis (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 341 (*Spaniotoma* (*Orthocladius*)). Type-locality: [Great Britain] "Windermere". — Distr.: **PA**: Austria, Czech Republic, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Kaliningrad, **?**Madeira, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (Far East), Slovakia, Spain, Switzerland.

sudagaicedus (SASA & TANAKA, 2001): *Annual Report of the Gunma Prefecture Institute of Public Health and Environmental Science* **33**: 59 (*Paratrissocladius*). Type-locality: {Japan} [Abstract, p. 41] "Tone River, Gunma Prefecture"; [p. 59] "Sudagai". — Distr.: **PA**: Japan.

tateprimus (SASA, 1996): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996** (**December**): 22 (*Hydrobaenus*). Type-locality: [Japan] "at Tateyama Railroad Station". — Distr.: **PA**: Japan.

thaleri WILLASSEN, 1996: *Annalen des Naturhistorischen Museums in Wien* **98B**: 508 (*Bryophaenocladius*). Type-locality: "Italy, Dolomites, Pala, Cima Vezzana 3190 m". — Distr.: **PA**: Italy.

tirolensis (GOETGHEBUER, 1938): *Bulletin et Annales de la Société Entomologique de Belgique* **78**(11): 459 (*Orthocladius*). Type-locality: [Austria] "au Tyrol" [= in the Tyrol]. — Distr.: **PA**: Austria.

togafelix SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 134 (*Bryophaenocladius*). Type-locality: {Japan} [Introduction, p. 92] "Toga-mura . . . in the southern mountainous part of Toyama Prefecture"; [p. 134] "at Momose". — Distr.: **PA**: Japan.

togafelix SASA & OKAZAWA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 120 (*Bryophaenocladius*). Locality: {Japan} [Abstract, p. 105] "Toga-mura, a village situated in the

mountainous region of Toyama Prefecture". Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

toganitemus SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 134 (*Bryophaenocladius*). Type-locality: {Japan} [Introduction, p. 92] "Toga-mura . . . in the southern mountainous part of Toyama Prefecture"; [p. 134] "at Momose". — Distr.: **PA**: Japan.

toganovus (SASA & OKAZAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 145 (*Okinawayusurika*). Type-locality: {Japan} [Introduction, p. 92] "Toga-mura . . . in the southern mountainous part of Toyama Prefecture"; [p. 145] "at Momose". — Distr.: **PA**: Japan.

toganovus (SASA & OKAZAWA, 1991): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 120 (*Okinawayusurika*). Locality: {Japan} [Abstract, p. 105] "Toga-mura, a village situated in the mountainous region of Toyama Prefecture". Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

togapilosus (SASA & OKAZAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 146 (*Okinawayusurika*). Type-locality: {Japan} [Introduction, p. 92] "Toga-mura . . . in the southern mountainous part of Toyama Prefecture"; [p. 146] "at Momose". — Distr.: **PA**: Japan.

togapilosus (SASA & OKAZAWA, 1991): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 120 (*Chaetocladius*). Locality: {Japan} [Abstract, p. 105] "Toga-mura, a village situated in the mountainous region of Toyama Prefecture". Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th

Edition). **Nomen nudum**.

togatenellus SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 135 (*Bryophaenocladius*). Type-locality: {Japan} [Introduction, p. 92] "Toga-mura . . . in the southern mountainous part of Toyama Prefecture"; [p. 135] "at Momose". — Distr.: **PA**: Japan.

togatenuis SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 136 (*Bryophaenocladius*). Type-locality: {Japan} [Introduction, p. 92] "Toga-mura . . . in the southern mountainous part of Toyama Prefecture". — Distr.: **PA**: Japan.

togatenuis SASA & OKAZAWA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 120 (*Bryophaenocladius*). Locality: {Japan} [Abstract, p. 105] "Toga-mura, a village situated in the mountainous region of Toyama Prefecture". Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

trigonus (GOETGHEBUER, 1950): *Bulletin de l'Institut Royal des Sciences Naturelles de Belgique* **26**(47): 14 (*Limnophyes*). Type-locality: [Austria] "Env. de Oberzeiring (dans la vallée de la Pölls, Styr. Bor.)" [= vicinity of Oberzeiring (in the Pölls valley, northern Styria)]. — Distr.: **PA**: Austria. [**Note**]

tshukoticus MAKARCHENKO & MAKARCHENKO, 2006: *Far Eastern Entomologist* **158**: 19 (*Bryophaenocladius*). Type-locality: "unnamed stream of 94 km Egvekonot-Iultin motorway, East Chukotka, Magadansky district, Russian Far East". — Distr.: **PA**: Russia (Far East).

tuberculatus (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 341 (*Spaniotoma* (*Orthocladius*)). Type-locality: [Great Britain] "Snailbeach, Salop" [Salop = Shropshire]. — Distr.: **PA**: Belgium, Czech Republic, Finland, France, Germany, Great Britain, Italy, Netherlands, Romania, Russia (NET).

lucorum (GOETGHEBUER, 1937): *Bulletin et Annales de la Société Entomologique*

de Belgique **77**(6): 276 (*Orthocladius* (*Chaetocladius*); as var. of *tuberculatus* Edwards, 1929). Type-locality: "Bois de Melle (Belgique)" [= forest of Melle (Belgium)].

tusimucedeus (SASA & SUZUKI, 1999): *Tropical Medicine* **41**(2): 104 (*Tusimayusurika*). Type-locality: [Introduction, p. 75] "Tsushima Island . . . western Japan]; [p. 104] "Kudagawa". — Distr.: **PA**: Japan.

tusimudeeus (SASA & SUZUKI, 1999): *Tropical Medicine* **41**(2): 105 (*Tusimayusurika*). Type-locality: [Introduction, p. 75] "Tsushima Island . . . western Japan]; [p. 105] "Ayumodosi". — Distr.: **PA**: Japan.

usambarensis ANDERSEN & SCHNELL, 2000: *Aquatic Insects* **22**(1): 54 (*Bryophaenocladius*). Type-locality: "TANZANIA: Tanga Region, West Usambara Mts, Mazumbai, Kaputu Stream, loc. 10, 1420 m a.s.l.". — Distr.: **AF**: Tanzania.

vernalis (GOETGHEBUER, 1921): *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 83 (*Dactylocladius*). Type-locality: {Belgique} [p. 22] "Sur les bords de l'Escaut, à Zwijnaerde" [= On the banks of the Scheldt, at Zwijnaerde]; [p. 189] " Les Flandres" [Belgique = Belgium]. — Distr.: **PA**: Belgium, China (Ningxia), Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Netherlands, Poland, Russia (Far East), Spain, Sweden.

vrangelensis MAKARCHENKO & MAKARCHENKO, 2009: *Evraziatskii Entomologicheskii Zhurnal* **8**, Supplement **1**: 61 (*Bryophaenocladius*). Type-locality: {Russia, Far East} **o-v Vrangelya, bezymyannyi ruchei v okr. pos. Ushakovskii** [= Vrangel Island, anonymous stream in the vicinity of the settlement of Ushakovsk]. — Distr.: **PA**: Russia (Far East).

wufengensis WANG & DU in DU & WANG, 2010: *Acta Zootaxonomica Sinica* **35**(4): 752 (*Bryophaenocladius*). Type-locality: "China: Hubei Province, Wufeng County, Houhe, 1000 m". — Distr.: **OR**: China (Hubei).

xanthogyne (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 342 (*Spaniotoma* (*Orthocladius*)). Type-locality: [Great Britain] "Knebworth,

Herts." [Herts. = Hertfordshire]. — Distr.: **PA**: Austria, Belgium, Croatia, Finland, Germany, Great Britain, Ireland, Netherlands, Russia (CET, NET), Slovenia, **?**Sweden.

xinglongensis WANG & DU in DU & WANG, 2010: *Acta Zootaxonomica Sinica* **35**(4): 753 (*Bryophaenocladius*). Type-locality: "China: Hainan Province, Xinglong Town, Huaqiao Farm". — Distr.: **OR**: China (Hainan).

yakyfegeus (SASA & SUZUKI, 2000): *Tropical Medicine* **42**(2): 86 (*Okinawayusurika*). Type-locality: {Yakushima Island, Southwestern Japan} "Yakusugi Land". — Distr.: **PA**: Japan.

yakygeheus (SASA & SUZUKI, 2000): *Tropical Medicine* **42**(2): 87 (*Okinawayusurika*). Type-locality: {Yakushima Island, Southwestern Japan} "Yakusugi Land". — Distr.: **PA**: Japan.

sp.: CRANSTON, 1997: *AWT Identification Guide Number* **1**: 84 (*Bryophaenocladius*). Locality: {Australia} "orchards in Western Australia". — Distr.: **AU**: Australia (Western Australia).

sp. 1: HAASE & NOLTE, 2008: *Ecological Indicators* **8**(5): 607 (*Bryophaenocladius*). Locality: [Title] "streams in southeast Queensland, Australia". — Distr.: **AU**: Australia (Queensland).

Nomina dubia in BRYOPHAENOCLADIUS

divisus (KIEFFER, 1921): *Archiv für Hydrobiologie Supplement* **2**(4): 795 (*Orthocladius*). Type-locality: [Germany] "Zwischen Bremen und Osnabrück, im D-Zug" [= Between Bremen and Osnabrück, in a train].

pallidus (KIEFFER, 1918): *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 82 (*Dactylocladius*). Type-locality: [Ethiopia] "Abyssinie : Marako".

setilobus (MARCUZZI, 1949): *Hydrobiologia* **1**(2): 189 (*Orthocladius* (*Chaetocladius*)). Type-locality: {Italy} "Padova".

trifidus (KIEFFER, 1921): *Archiv für Hydrobiologie Supplement* **2**(4): 794 (*Orthocladius*). Type-locality: [Germany] "Westfalen: Heilenbecker Sperre" ‖ ►Type-locality:

[Germany] "Westphalie : Heilenbeck" in Kieffer, 1923: *Annales de la Société Scientifique de Bruxelles, 2e partie (Mémoires)* **42**: 139◄‖. Senior primary homonym of *Orthocladius trifidus* Kieffer, 1923 (below).

trifidus (KIEFFER, 1923): *Annales de la Société Scientifique de Bruxelles, 2e partie (Mémoires)* **42**: 139 (*Orthocladius*). Type-locality: [Germany] "Westphalie : Heilenbeck". **Preoccupied**. Junior primary homonym of *Orthocladius trifidus* Kieffer, 1921 (above).

trifidus (THIENEMANN, 1919): *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst (Zoologische Sektion)* **47**: 27 (*Orthocladius*). Locality: [Germany] "Heilenbecketalsperre" [= Heilenbeck Dam]. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

Unavailable names in BRYOPHAENOCLADIUS

obtusus HAZRA, MAJUMDAR & MAZUMDAR, 2008: *Environment and Ecology* **26**(2A): 909 (*Bryophaenocladius*). Locality: [Title] "Springs of Darjeeling-Sikkim Himalayas of India". Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

togafulvus SASA & OKAZAWA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 120 (*Bryophaenocladius*). Locality: {Japan} [Abstract, p. 105] "Toga-mura, a village situated in the mountainous region of Toyama Prefecture". Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

Genus **CAMPTOCLADIUS** WULP

CAMPTOCLADIUS WULP, 1874: *Tijdschrift voor Entomologie* **16**: LXX, LXXI. Type-species: *Tipula byssina* Schrank, 1803 [= *Tipula stercoraria* De Geer, 1776], by

subsequent designation of Coquillett (1910: *Proceedings of the United States National Museum* **37**: 518). Senior homonym of *Camptocladius* Wulp, 1875 (below). [**Note**]

CAMPTOCLADIUS WULP, 1875: *Tijdschrift voor Entomologie* **17**(5): 133. Type-species: *Tipula byssina* Schrank, 1803 [= *Tipula stercoraria* De Geer, 1776], by subsequent designation of Coquillett (1910: *Proceedings of the United States National Museum* **37**: 518). **Preoccupied**. Junior homonym of *Camptocladius* Wulp, 1874 (above).

stercorarius (DE GEER, 1776): *Mémoires pour servir à l'histoire des insectes* **6**: 388 (*Tipula*). Type-locality: Not given. — Distr.: **NE**: Canada (Manitoba, Saskatchewan), Greenland, U.S.A. (Alabama, Alaska, Florida, Georgia, Missouri, New Jersey, New Mexico, New York, Ohio, Virginia); **PA**: Algeria, Austria, Azores, Belarus, Belgium, Bosnia and Herzegovina, Canary Islands, China (Hebei, Jilin, Qinghai, Shaanxi), Croatia, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, **?**Iceland, Ireland, Italy, Japan, Lebanon, Lithuania, Madeira, Moldova, Netherlands, Norway, Poland, Romania, Russia (CET, NET, SET, Far East), Slovakia, Slovenia, Spain, Spitzbergen, Sweden, Switzerland, Turkey, Ukraine, ¶Yugoslavia; **AU**: Australia (New South Wales), New Zealand (North Island).

byssinus (SCHRANK, 1803): *Fauna Boica. Durchgedachte Geschichte der in Baiern einheimischen und zahmen Thiere* Band **3**(1): 76 (*Tipula*). Type-locality: [Germany, Bavaria] "mit den vorigen" [= with the previous species], i.e. "um Ingolstadt" [= around Ingolstadt].

chiopterus (MEIGEN, 1804): *Klassifikazion und Beschreibung der europäischen zweiflügligen insekten* **1**: 17 (*Chironomus*). Type-locality: [Title] "europäischen" [= European].

foliaceus (KIEFFER, 1921): *Archiv für Hydrobiologie Supplement* **2**(4): 797 (*Psectrocladius*). Type-locality: [Germany] "Westfalen, bei Münster, am Mauritzkloster" [= Westphalia, near Münster, at the Mauritz monastery]. [**Note**]

scoticus (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 363 (*Spaniotoma* (*Smittia*)). Type-locality: [Great Britain] "Corriegills, Arran".

toyanigrus (SASA, 1988): *Research Report from the National Institute for Environmental Studies* **121**: 48 (*Pseudosmittia*). Type-locality: {Hokkaido, Japan} "at the side of Lake Toya".

togasiteus (SASA & OKAZAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 161 (*Pseudosmittia*). Type-locality: {Japan} [Introduction, p. 92] "Toga-mura . . . in the southern mountainous part of Toyama Prefecture"; [p. 161] "at Momose".

togativeus (SASA & OKAZAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 162 (*Pseudosmittia*). Type-locality: {Japan} [Introduction, p. 92] "Toga-mura . . . in the southern mountainous part of Toyama Prefecture"; [p. 162] "at Yakuba".

Genus **CARDIOCLADIUS** KIEFFER

CARDIOCLADIUS KIEFFER, 1912: *Spolia Zeylanica* **8**: 22. Type-species: *Cardiocladius ceylanicus* Kieffer, 1912, by original designation.

africanus FREEMAN, 1955: *South African Animal Life* **2**: 365 (*Cardiocladius*). Type-locality: [Ethiopia] "Abyssinia: Waldia". — Distr.: **AF**: D.R.Congo, Ethiopia, South Africa, Zimbabwe.

albiplumus SÆTHER, 1969: *Bulletin of the Fisheries Research Board of Canada* **170**: 34 (*Cardiocladius*). Type-locality: [Canada] "fast flowing stream, between mile 18 and 19 on Mando logging road, Kenora, Ont." [Ont. = Ontario]. — Distr.: **NE**: Canada (British Columbia, Ontario, Québec), U.S.A. (Georgia, Michigan, New York, North Carolina, Ohio, South Carolina, Tennessee).

australiensis FREEMAN, 1961: *Australian Journal of Zoology* **9**(4): 639 (*Cardiocladius*). Type-locality: {Australia} "Launceston, Tas." [Tas. = Tasmania]. — Distr.: **AU**: Australia (Australian Capital Territory, New South Wales, Tasmania).

brasiliensis OLIVEIRA, 1949: *Revista Brasileira de Biologia* **9**(1): 6 (*Cardiocladius*). Type-locality: [Brazil] "Governador Valadares, Estado de Minas Gerais". — Distr.: **NT**: Argentina, Brazil, Juan Fernández Islands.

capucinus (ZETTERSTEDT, 1850): *Diptera Scandinaviæ disposita et discripta* **9**: 3499 (*Chironomus*). Type-locality: [Sweden] "in Lapponia Lulensi" [= in Luleå Lapland]. — Distr.: **PA**: Algeria, Austria, Canary Islands, Corsica, Finland, France, Germany, Great Britain, Ireland, Italy, Japan, Lebanon, **?**Madeira, Morocco, Norway, Poland, Portugal, Romania, Sardinia, Serbia, Slovakia, South Korea, Spain, Sweden, Switzerland, Turkey.

congregatus (TÖMÖSVÁRY, 1883): *Természetrajzi Füzetek kiadja a Magyar Nemzeti Múzeum* **7**: 19 (as "*Thalassomyia*"). Type-localities: [Romania] "ad Danubium inferiorem . . . in *Hungaria meridionali* ad ripam sinistram Danubii, circa rivulos Cikolovac et Alibég" [= in the lower Danube . . . in *southern Hungary* (now Romania, then part of the Austro-Hungarian Empire) on the left bank of the Danube, in the vicinity of the brooks Cikolovac and Alibeg]; "in *Serbia* ad ripam dextram Danubii prope ruinam Golubacensem, apud rivulos Vodeniste, Ridan, Begbunar, Livadica, Josicim" [= in *Serbia* on the right bank of the Danube near the ruins of Golubac, at the brooks Vodeniste, Ridan, Begbunar, Livadica, Josicim]; [Serbia] "inter pagos Dobra et Milanovac penes rivulom Gospodjina" [= between the villages of Dobra and Milanovac by the Gospodjina brook]; [Serbia] "prope pagum Tekije apud rivulum Bellavoda" [= near the village of Tekija at the Bellavoda brook].

ceylanicus KIEFFER, 1912: *Spolia Zeylanica* **8**: 22 (*Cardiocladius*). Type-locality: [Sri Lanka] {Ceylan} "Peradeniya". — Distr.: **OR**: Sri Lanka.

delectus JOHANNSEN, 1932: *Archiv für Hydrobiologie Supplement* **9**: 723 (*Cardiocladius*). Type-locality: [Indonesia] "Buitenzorg, West Java" [Buitenzorg = Bogor]. — Distr.: **OR**: Indonesia (Java).

esakii TOKUNAGA, 1939: *Philippine Journal of Science* **69**(3): 311 (*Cardiocladius*). Type-locality: "Honshu, Japan . . . Miure, Nagano Prefecture". — Distr.: **PA**: Japan.

freyi STORÅ, 1936: *Commentationes Biologicae* **6**(1): 23 (*Cardiocladius*; as "*Freyi*"). Type-localities: {Kanarischen Inseln} [= Canary Islands] "Can.: Los Lagunetas" [= Gran Canaria: Los Lagunetas]; "Ten.: Guimar" [= Tenerife: Guimar]; "Agua

Mansa". — Distr.: **PA**: Azores, Canary Islands, Madeira, **?**Turkey.

fulvus (JOHANNSEN, 1908): *Bulletin of the New York State Museum* **124**: 275 (*Thalassomyia*). Type-locality: [USA] "Old Forge, N. Y." [N. Y. = New York]. — Distr.: **NE**: U.S.A. (Illinois, Michigan, Mississippi, New York).

fuscus KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 72 (*Cardiocladius*). Type-locality: [Poland] "Silésie" [= Silesia] and [Introduction, p. 11] "sur un haut plateau tourbeux, nommé Seefelder" [= on a highland moor, named Seefelder]. — Distr.: **PA**: Algeria, Austria, Balearic Islands, Belgium, Corsica, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Japan, Morocco, Netherlands, Poland, Portugal, Romania, Russia (Far East), Sardinia, Slovakia, South Korea, Spain, Syria, Turkey.

hessei FREEMAN, 1956: *Bulletin of the British Museum (Natural History)* Entomology **4**(7): 324 (*Cardiocladius*). Type-locality: [South Africa] "CAPE PROVINCE, Montagu". — Distr.: **AF**: South Africa.

latistilus FREEMAN, 1956: *Bulletin of the British Museum (Natural History)* Entomology **4**(7): 322 (*Cardiocladius*). Type-locality: [South Africa] "NATAL: Natal National Park". — Distr.: **AF**: Réunion, South Africa, Swaziland, Zimbabwe.

leoni GOETGHEBUER, 1932: *Faune de France* **23**: 48 (*Cardiocladius*). Type-locality: "Roumanie" [= Romania]. — Distr.: **PA**: Romania.

nitidus KIEFFER, 1924: *Annales de la Société Scientifique de Bruxelles, 1re partie (Comptes Rendus)* **43**: 266 (*Cardiocladius*). Type-locality: [Indonesia] [p. 262] "de Buitenzorg, en Java" [= from Buitenzorg (now Bogor), in Java]. — Distr.: **OR**: Indonesia (Java).

obscurus (JOHANNSEN, 1903): *Bulletin of the New York State Museum* **68**: 437 (as "*Thalassomyia*"). Type-locality: [U.S.A.] "in the vicinity of Ithaca, N. Y." [N. Y. = New York]. — Distr.: **NT**: Puerto Rico; **NE**: Canada (Ontario, Québec), U.S.A. (Alabama, Florida, Georgia, Mississippi, New York, North Carolina, Ohio, South Carolina, Utah, Wyoming).

fuscus (JOHANNSEN, 1903): *Bulletin of the New York State Museum* **68**: 437 (as "*Thalassomyia*"). Type-locality: [U.S.A.] "Cascadilla creek, Ithaca, N. Y." [N. Y. = New York]. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**. [**Note**]

oliffi FREEMAN, 1956: *Bulletin of the British Museum (Natural History)* Entomology **4**(7): 322 (*Cardiocladius*). Type-locality: [South Africa] "NATAL: Natal National Park". — Distr.: **AF**: Ethiopia, Madagascar, South Africa, Togo.

platypus (COQUILLETT, 1902): *Proceedings of the United States National Museum* **25**: 93 (*Orthocladius*). Type-locality: [U.S.A.] "Flagstaff, Arizona". — Distr.: **NE**: Canada (Québec), U.S.A. (Arizona, California, Colorado, Nevada, New Mexico).

travassosi OLIVEIRA, 1951: *Papéis Avulsos do Departmento de Zoologia, Secretaria da Agricultura, São Paulo* **10**(6): 133 (*Cardiocladius*). Type-locality: "Salesópolis (Boracéa), São Paulo, Brasil". — Distr.: **NT**: Brazil, Peru.

sp.: ROBACK & COFFMAN, 1983: *Proceedings of the Academy of Natural Sciences of Philadelphia* **135**: 17 (*Cardiocladius*). Localities: "VENEZUELA: VEN 4" [= Mucunuque stream (outlet to Lake Mucubaji), 200-500 m below lake, alt. ca 3500 m].; "VEN 5" [= Stream at bridge ca 1.6 km W of Santo Domingo along Barinas-Merida highway, alt. 1920 m]; "VEN 6" [= Stream (third order) at bridge W of Santo Domingo along Barinas-Merida highway, alt. 3230 m]; "VEN 8" [= Santo Domingo River near elementary school "El Baho" along Barinas-Merida highway, alt. 2490 m]. — Distr.: **NT**: Venezuela.

sp.: COFFMAN, YURASITS & DE LA ROSA, 1988: *Spixiana Supplement* **14**: 158 (*Cardiocladius*). Locality: "South India". — Distr.: **OR**: India (Kerala or Tamil Nadu).

sp.: WATSON & HEYN, 1993: *Netherlands Journal of Aquatic Ecology* **26**(2/4): 259 (*Cardiocladius*). Locality: "Costa Rica . . . P 1150 m" [= Costa Rica . . . Puntaneras Province 1150 metres]. — Distr.: **NT**: Costa Rica.

sp.: OSPINA-TORRES, RISS & RUIZ, 1999: *Insectos de Colombia* II: 377, 380 (*Cardiocladius*). Locality: {Colombia} "Sabana de Bogotá". — Distr.: **NT**: Colombia.

sp.: ANDERSEN, CONTRERAS-RAMOS & SPIES, 2000: *Biodiversidad, taxonomía y biogeografía de artrópodos de México: hacia una síntesis de su conocimiento* **2**: 591 (*Cardiocladius*). Localities: {Mexico} "CHIS" [= Chiapas State]; "GRO" [= Guerrero State]. — Distr.: **NT**: Mexico (Chiapas, Guerrero).

Unavailable names in CARDIOCLADIUS

ekingennis ŞAHIN, 1980: *Firat Üniversitesi Veteriner Fakültesi Dergisi* **5**: 182 (*Cardiocladius*; as "*ekingennis* sp .n. Şahin"). Locality: [Turkey] "Elazığ". Name not made available – not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

Genus **CHAETOCLADIUS** KIEFFER

CHAETOCLADIUS KIEFFER, 1911: *Bulletin de la Société Entomologique de France* **1911**: 182 (as subgenus of *Dactylocladius* Kieffer, 1906). Type-species: *Dactylocladius setiger* Kieffer, 1908 [= *Chironomus perennis* Meigen, 1830], by subsequent designation of Goetghebuer in Goetghebuer & Lenz (1942: *Die Fliegen der Palaearktischen Region* **13g**: 57).

DYSCAMPTOCLADIUS THIENEMANN, 1921: *Archiv für Hydrobiologie Supplement* **2**(4): 833. Type-species: *Camptocladius vitellinus* Kieffer, 1908, by original designation. Synonymized with *Chaetocladius* Kieffer, 1911, by Thienemann (1938: *Encyclopédie Entomologique, B-II, Diptera* **9**: 90).

PACHYCLADIUS KIEFFER, 1923: *Annales de la Société Scientifique de Bruxelles, 2e partie (Mémoires)* **42**: 143 (as subgenus of *Orthocladius* Wulp, 1874). Type-species: *Orthocladius* (*Pachycladius*) *ellipsoidalis* Kieffer, 1923 [**?** = *Chironomus perennis* Meigen, 1830], by monotypy. Synonymized with *Chaetocladius* Kieffer, 1911, by Goetghebuer in Goetghebuer & Lenz (1942: *Die Fliegen der Palaearktischen Region*

13g: 57). [**Note**]

AMBLYCLADIUS KIEFFER, 1923: see below as subgenus.

CHAETOCLADIUS KIEFFER, 1911: see below as subgenus.

Subgenus **AMBLYCLADIUS** KIEFFER

AMBLYCLADIUS KIEFFER, 1923: *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **9**: 4 (as genus). Type-species: *Amblycladius subplumosus* Kieffer, 1923, by original designation.

subplumosus (KIEFFER, 1923): *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **9**: 5 (*Amblycladius*). Type-locality: [Russia] {Nouvelle-Zemble} "Ile Litchutin" [= . Litchutin Island] — Distr.: **PA**: Novaya Zemlya.

Subgenus **CHAETOCLADIUS** KIEFFER

acuminatus BRUNDIN, 1956: *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 125 (*Chaetocladius*). Type-localities: "Schwedisch-Lappland, Torneträskgebiet: an der kleinen Schmelzwasser-Seen auf dem Nuolja Plateau, 1000 m" [= Swedish Lapland, Torneträskgebiet: on the small meltwater lakes on the Nuolja Plateau, 1000 metres]; "perennierenden Tümpels auf dem Gipfel des Norddalsfjället, 1050 m, bei Riksgränsen" [= perennial ponds at the summit of Norddalsfjället, 1050 metres, near Riksgränsen]; "am Ufer des arktischen Sees Katterjaure bei Riksgränsen" [= on the shore of the arctic lake Katterjaure near Riksgränsen]. — Distr.: **PA**: Finland, France, Norway, Poland, Sweden.

acuticornis (KIEFFER in POTTHAST, 1914): *Archiv für Hydrobiologie Supplement* **2**(2) [Preprint]: 334 (*Dactylocladius* (*Chaetocladius*)). Type-locality: [Germany] "Sauerland" [= Saarland]; "Wiesenquellen und Quellrinnsalen des Haspertalsperrengebietes" [= Meadow springs and spring rivulets of the Hasper Dam region]. — Distr.: **PA**: Algeria, Corsica, France, Germany, **?**Italy, Latvia, Lithuania, Luxembourg, Romania, Russia (CET). Senior primary homonym of

Dactylocladius acuticornis Kieffer, 1915 (below). [**Note**]

acuticornis (KIEFFER in POTTHAST, 1915): *Archiv für Hydrobiologie Supplement* **2**(2): 334 (*Dactylocladius* (*Chaetocladius*)). Type-locality: [Germany] "Sauerland" [= Saarland]; "Wiesenquellen und Quellrinnsalen des Haspertalsperrengebietes" [= Meadow springs and spring rivulets of the Hasper Dam region]. **Preoccupied**. Junior primary homonym and synonym of *Dactylocladius acuticornis* Kieffer, 1914 (above).

adsimilis (GOETGHEBUER, 1933): *Skrifter om Svalbard og Ishavet* **53**: 25 (*Orthocladius* (*Chaetocladius*)). Type-locality: "Geographical Society Øya (Groenland orient.)" [= Geographical Society Island (east Greenland)]. — Distr.: **NE**: Greenland.

algericus MOUBAYED, 1989: *Hydrobiologia* **185**(2): 91 (*Chaetocladius*). Type-locality: "Arbaa des Ouacifs, Oued Aïssi, Grande Kabylie (Algeria), rhithral, alt. 980 m". — Distr.: **PA**: Algeria, Corsica, France, Spain.

amnunnycta MAKARCHENKO & MAKARCHENKO, 2011: *Evraziatskii Entomologicheskii Zhurnal* **10**(3): 390 (*Chaetocladius*). Type-locality: {Russia} **Yuzhnaya Yakutiya, Neryungrinskii r-n, r. Amnunnykta, okrestnosti g. Neryungri, N 56°41.416', E 124°44.930'** [= South Yakutia, Neryungrinsky District, River Amnunnykta, vicinity of the town of Neryungri, N 56°41.416', E 124°44.930']. — Distr.: **PA**: Russia (East Siberia).

amurensis MAKARCHENKO & MAKARCHENKO, 2006: *Evraziatskii Entomologicheskii Zhurnal* **5**(4): 276 (*Chaetocladius* (*Chaetocladius*)). Type-locality: "Takantsy River, tributary of Bureya River (Amur River basin), Khabarovsk Territory, Russian Far East". — Distr.: **PA**: Russia (Far East).

antipovae MAKARCHENKO & MAKARCHENKO, 2011: *Evraziatskii Entomologicheskii Zhurnal* **10**(3): 383 (*Chaetocladius* (*Chaetocladius*)). Type-locality: "Fedotkin Spring, tributary of Bidzhan River (Amur River basin), Teplye Kluchi Village, N 48°38.624', E 131°37.223', Jewish Autonomous Region, Russian Far East". — Distr.: **PA**: Russia (Far East).

artistylus BHATTACHARYAY & CHAUDHURI in BHATTACHARYAY, CHATTOPADHYAY & CHAUDHURI, 1993: *European Journal of Entomology* **90**(1): 87 (*Chaetocladius*). Type-locality: {India} "West Bengal, Darjeeling (Lat. 27°03′N, Long. 88°18′E)". — Distr.: **OR**: India (West Bengal).

autumnalis MAKARCHENKO & MAKARCHENKO, 2004: *Evraziatskii Entomologicheskii Zhurnal* **3**(4): 312 (*Chaetocladius*). Type-locality: **Rossiya, Primorskii kr., Khasanskii r-n, zapovednik «Kedrovaya pad′», r. Kedrovaya v okrestnostyakh usad′by** [= Russia, Primorsky Krai, Khasansky District, «Kedrovaya pad′» Nature Reserve, River Kedrovaya in the vicinity of the farmstead]. — Distr.: **PA**: Russia (Far East).

awasae HARRISON, 1992: *Spixiana* **15**(2): 151 (*Chaetocladius*). Type-locality: "Ethiopia, Lake Awasa". — Distr.: **AF**: Ethiopia.

bilobulatus (GOETGHEBUER in GOETGHEBUER & LENZ, 1942): *Die Fliegen der Palaearktischen Region* **13g**: 59 (*Orthocladius* (*Chaetocladius*)). Type-locality: [Russia, Far East] "Aus Kamtschatka . . . Sibiria or." [= from Kamchatka . . . eastern Sibiria]. — Distr.: **PA**: Russia (Far East). [**Note**]

bilobatus: incorrect subsequent spelling.

binotatus (LUNDSTRÖM, 1915): *Résultats scientifiques de l'Expédition Polaire Russe en 1900-1903, sons la direction du Baron E. Toll. Section E*: *Zoologie* 2(8). *Zapiski Imperatorskoi Akademii Nauk, Série* 8, *Classe physico-mathématique* **29**(8): 12 (*Orthocladius*). Type-locality: [Russia, East Siberia] "Ins. Neu-Sibirien, am Oberlaufe des Fl. Wosnessenje" [= New Siberian Islands, in the upper course of the River Wosnessenje]. — Distr.: **PA**: Finland, Novaya Zemlya, Russia (NET, East Siberia), Sweden.

validus BRUNDIN, 1956: *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 126 (*Chaetocladius*). Type-locality: "Schwedisch-Lappland, Torneträskgebiet: . . . perennierenden Tümpel am Gipfel des Norddalsfjället, 1050 m, bei Riksgränsen" [= Swedish Lapland, Torneträsk region: . . . perennial pond at the summit of Norddalsfjället, 1050 metres, near Riksgränsen].

britae SÄWEDAL, 1976: *Entomologica Scandinavica* **7**(4): 311 (*Chaetocladius*). Type-locality: "Sweden, Lu. Lpm., Messaure (66° 42′ N, 20° 25′ E)" [Lu. Lpm. = Lulu Lappmark]. — Distr.: **PA**: Finland, Sweden. [**Note**]

brittae: incorrect subsequent spelling.

crassisaetosus TUISKUNEN in TUISKUNEN & LINDEBERG, 1986: *Annales Zoologici Fennici* **23**(4): 378 (*Chaetocladius*). Type-locality: "Finland, Li, Inari, Ivalojoki at Kultala (760:48)". — Distr.: **PA**: Finland, Norway.

curvatus BHATTACHARYAY & CHAUDHURI in BHATTACHARYAY, CHATTOPADHYAY & CHAUDHURI, 1993: *European Journal of Entomology* **90**(1): 89 (*Chaetocladius*). Type-locality: {India} "West Bengal, Mirik (Lat. 26°25′N, Long. 88°10′E)". — Distr.: **OR**: India (West Bengal).

dentiforceps (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 346 (*Spaniotoma* (*Orthocladius*)). Type-localities: [Great Britain] "Burnham Beeches, Bucks." [Bucks. = Buckinghamshire]; "Stickle Tarn, Westmorland". — Distr.: **PA**: Austria, China (Inner Mongolia), Denmark, Finland, France, Germany, Great Britain, Iceland, Ireland, **?**Italy, Luxembourg, Netherlands, Slovakia, Spain, Switzerland, Turkey.

dilatus BHATTACHARYAY & CHAUDHURI in BHATTACHARYAY, CHATTOPADHYAY & CHAUDHURI, 1993: *European Journal of Entomology* **90**(1): 90 (*Chaetocladius*). Type-locality: {India} "West Bengal, Darjeeling (Lat. 27°03′N, Long. 88°18′E)". — Distr.: **OR**: India (West Bengal).

dissipatus (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 338 (*Spaniotoma* (*Orthocladius*)). Type-localities: [Great Britain] "Scilly Isles"; "Ilkley"; "Flannan Is." "Stickle Tarn, Westmoreland"; — Distr.: **PA**: Austria, Czech Republic, Faroe Islands, Finland, France, Germany, Great Britain, Ireland, Italy, Luxembourg, Norway, Poland, Romania, Russia (East Siberia), Slovakia, Sweden, Switzerland.

elegans MAKARCHENKO & MAKARCHENKO, 2002: *Chteniya Pamyati Vladimira Yakovlevicha Levanidova* **1**: 175 (*Chaetocladius*). Type-locality: [Russia, Far

East] **o-v Vrangelya, bezymyannyi ruchei v raione pos. Umakovskii** [= Vrangel Island, anonymous stream in the vicinity of the village of Umakovskii]. — Distr.: **PA**: Russia (Far East). [**Note**]

gelidus BRUNDIN, 1956: *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 126 (*Chaetocladius*). Type-locality: "Norwegen, Jotunheimen: . . . am Ufer des Juvvatnet, 1840 m" [= Norway, Jotunheimen: . . . on the shore of Juvvatnet, 1840 metres]. — Distr.: **PA**: Austria, **?**Finland, Italy, Norway, Novaya Zemlya, Romania.

glacialis (LUNDSTRÖM, 1915): *Résultats scientifiques de l'Expédition Polaire Russe en 1900-1903, sons la direction du Baron E. Toll. Section E*: *Zoologie* 2(8). *Zapiski Imperatorskoi Akademii Nauk, Série* 8, *Classe physico-mathématique* **29**(8): 17 (*Hydrobaenus*). Type-locality: [Russia, East Siberia] "Ins. Kotelnyj" [= Kotelnyj Island]. — Distr.: **PA**: Novaya Zemlya, Russia (East Siberia).

gracilis BRUNDIN, 1956: *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 124 (*Chaetocladius*). Type-localities: "Schwedisch-Lappland, Torneträskgebiet: an der Nordböschung des Riksgränsfjället" [= Swedish Lapland, Torneträsk region: on the north slope of Riksgränsfjället]; "an einer Bachmündung am Ufer des Vassijaure" [= at the mouth of a brook on the shore of Vassijaure]. — Distr.: **PA**: Finland, France, Norway, Novaya Zemlya, Romania, Sweden.

grandilobus BRUNDIN, 1956: *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 126 (*Chaetocladius*). Type-locality: "Schwedisch-Lappland, Torneträskgebiet: . . . perennierenden Tümpel am Gipfel des Norddalsfjället, 1050 m, bei Riksgränsen" [= Swedish Lapland, Torneträsk region: . . . perennial pond at the summit of Norddalsfjället, 1050 metres, near Riksgränsen]. — Distr.: **NE**: Canada (Nunavut); **PA**: Finland, Germany, **?**Luxembourg, Norway, Russia (NET), Sweden.

gunmatertia (SASA, 1996): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996** (**December**): 87 (*Bisaiyusurika*). Type-

locality: [Japan] [p. 85, Title] "GUNMA PREFECTURE"; [p. 87] "at the side of a trout culture pond". — Distr.: **PA**: Japan. [**Note**]

gunmagrandis: incorrect original spelling.

hakusanprimus (SASA & OKAZAWA, 1994): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1994**: 68 (*Orthocladius*). Type-locality: [Japan] [p. 68] "at a site of about 2,000 m high from sea level on the slope of Mount Hakusan (Ishikawa)". — Distr.: **PA**: Japan.

holmgreni (JACOBSON, 1898): *Zapiski Imperatorskoi Akademii Nauk* (8) **8**: 204 (*Chironomus*; as nom. nov. for *Chironomus festivus* Holmgren, 1869, nec *Chironomus festivus* Say, 1823). — Distr.: **NE**: Canada (Nunavut); **PA**: Bear Island, Russia (East Siberia, Far East), Spitsbergen, Sweden.

festivus (HOLMGREN, 1869): *Kungliga Svenska VetenskapsAkademiens Handlingar* **8**(5): 43 (*Chironomus*). Type-localities: [Norway] "Hab. in Spetsbergia ad Green Harbour" [= Dwells in Spitzbergen at Green Harbour]; [Spitzbergen] "Smeerenberg, Lifdebay et Kingsbay"; [Spitzbergen] "in Belsund" [= in Bel Sound]; "In Beeren Eiland" [= In Bear Island]. **Preoccupied**. Junior primary homonym of *Chironomus festivus* Say, 1823 – the latter is a valid species of *Axarus* Roback, 1980 (Subfamily Chironominae).

insolitus CASPERS, 1987: *Entomologica Scandinavica Supplement* **29**: 133 (*Chaetocladius*). Type-locality: "Austria, Lunz: Teichbach, near Biologische Station, Lunz" [Teichbach = pond creek]. — Distr.: **PA**: Austria, Germany, Ireland, Switzerland.

insularis MAKARCHENKO & MAKARCHENKO, 2004: *Evraziatskii Entomologicheskii Zhurnal* **3**(4): 312 (*Chaetocladius*). Type-locality: **Rossiya, Kuril′skie ostrova, o-v Ketoi, v r-ne musa Okruglogo** [= Russia, Kuril Islands, Ketoi Island, in the vicinity of Cape Okruglyi]. — Distr.: **PA**: Russia (Far East).

ketoiensis MAKARCHENKO & MAKARCHENKO, 2004: *Evraziatskii Entomologicheskii Zhurnal* **3**(4): 314 (*Chaetocladius*). Type-locality: **Rossiya, Kuril′skie ostrova, o-v Ketoi, v r-ne musa Okruglogo** [= Russia, Kuril Islands, Ketoi

Island, in the vicinity of Cape Okruglyi]. — Distr.: **PA**: Russia (Far East).

laminatus BRUNDIN, 1947: *Arkiv för Zoologi* **39A**: 26 (*Chaetocladius*). Type-locality: {Sweden} "Jmtl. St. Blåsjön" [= Jämtland, Stora Blåsjön]. — Distr.: **PA**: Austria, Denmark, Finland, France, Germany, Iceland, Italy, Luxembourg, Netherlands, Norway, Poland, Romania, Russia (NET, East Siberia, West Siberia), Spain, Sweden.

ligni CRANSTON & OLIVER, 1988: *Spixiana Supplement* **14**: 144 (*Chaetocladius* (*Chaetocladius*)). Type-locality: "U.S.A., Oregon: Benton County, Berry Creek". — Distr.: **NE**: Canada (Ontario), U.S.A. (North Carolina, Oregon); **PA**: Russia (Far East).

longivirgatus STUR & SPIES, 2011: *Zootaxa* **2762**: 44 (*Chaetocladius*). Type-locality: "NORWAY, Oppland, Dovre, Rondane Nationalpark, Vidjedalsbekken at Skranglehaugen, N 61.98186°, E 0980454°, 1117 m a.s.l.". — Distr.: **PA**: Germany, Norway.

maeaeri BRUNDIN, 1947: *Arkiv för Zoologi* **39A**: 24 (*Chaetocladius*; as "*Määri*"). Type-locality: {Sweden} "Jmtl. St. Blåsjön" [= Jämtland, Stora Blåsjön]. — Distr.: **PA**: Finland, **?**Italy, Sweden.

Määri: incorrect original spelling.

magnalobus MAKARCHENKO & MAKARCHENKO, 2009: *Evraziatskii Entomologicheskii Zhurnal* **8**(3): 328 (*Chaetocladius*). Type-locality: {Russia, Far East} **Khabarovskii krai, g. Khabarovsk, r. Siga** [= Khabarovsk Krai, Khabarovsk City, River Siga]. — Distr.: **PA**: Russia (Far East).

makarchenkovi ZELENTZOV, 2007: *Zoologicheskii Zhurnal* **86**(9): 1145 (*Chaetocladius*). Type-locality: **Rossiya, arkhipelag Novaya Zemlya, Yuzhnyi o-v, p-v Pan′kova Zemlya, guba Gribovaya** [= Russia, Novaya Zemlya Archipelago, Yuzhnyi Island, Pankov Zemlya Peninsula, Gribovaya Bay]. — Distr.: **PA**: Novaya Zemlya.

melaleucus (MEIGEN, 1818): *Systematische Beschreibung* **1**: 39 (*Chironomus*). Type-locality: [Title] "europäischen" [= European]. — Distr.: **PA**: Algeria, Azores,

Belgium, Finland, France, Germany, Great Britain, Iceland, Ireland, **?**Italy, Lebanon; Macedonia, Madeira, Morocco, Netherlands, Norway, Portugal, Slovakia, Spain, Switzerland, Turkey; **AF**: Uganda.

argentatus (GOETGHEBUER, 1921): *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 84 (*Dactylocladius*). Type-locality: {Belgique} [p. 189] "Virton (H. B.)" [H. B. = Haute Belgique], [Belgique = Belgium].

minutissimus (GOETGHEBUER in GOETGHEBUER & LENZ, 1942): *Die Fliegen der Palaearktischen Region* **13g**: 61 (*Orthocladius* (*Chaetocladius*); as nom. nov. for *Orthocladius* (*Chaetocladius*) *minutus* Goetghebuer, 1934 nec *Chironomus minutus* Zetterstedt, 1850, when both in *Orthocladius* Wulp, 1874). — Distr.: **PA**: Germany, Switzerland. [**Note**]

minutus (GOETGHEBUER, 1934): *Bulletin et Annales de la Société Entomologique de Belgique* **74**(10): 341 (*Orthocladius* (*Chaetocladius*)). Type-locality: [Germany] "Larves dans une source, à 1000 m. d'altitude (G.-P)" [= Larvae in a spring, at an altitude of 1000 metres (Garmisch-Partenkirchen)]. **Preoccupied**. Junior secondary homonym of *Chironomus minutus* Zetterstedt, 1850 (currently a nomen dubium in Orthocladiinae), when both in *Orthocladius* Wulp, 1874. [**Note**]

mongolveweus SASA & SUZUKI, 1997: *Japanese Journal of Tropical Medicine and Hygiene* **25**(4): 178 (*Chaetocladius*). Type-locality: {Mongolia} "on Mount Bogdrhan . . . on an elevation of 2,400 m" [Bogdrhan = Bogd Khan]. — Distr.: **PA**: Mongolia.

muliebris TUISKUNEN in TUISKUNEN & LINDEBERG, 1986: *Annales Zoologici Fennici* **23**(4): 380 (*Chaetocladius*). Type-locality: "Norway, Tana, Rastigaisa". — Distr.: **PA**: Norway

nudisquamus MAKARCHENKO & MAKARCHENKO, 2003: *Chteniya Pamyati Vladimira Yakovlevicha Levanidova* **2**: 205 (*Chaetocladius*). Type-locality: {Russian Far East} **Magadanskaya obl., Tauiskaya guba, bassein r. Taui, ruch. Omylen**

[= Magadan Oblast, Tauiskaya Bay, valley of the River Taui, Omylen brook]. — Distr.: **PA**: Russia (Far East).

orientalis CHAUDHURI & GHOSH, 1982: *Folia Entomologica Hungarica* **43**(1): 5 (*Chaetocladius*). Type-locality: {India} "Dam site, Silent Valley, Kerala (altitude 1030 m a. s. l.)". — Distr.: **OR**: India (Kerala).

otujiprimus SASA & OKAZAWA, 1994: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1994**: 77 (*Chaetocladius*). Type-locality: [Japan] [p. 76] "on the slope of Mount Otsuji". — Distr.: **PA**: Japan.

oyabevenustus SASA, KAWAI & UENO, 1988: *Research Report Toyama Prefectural Environmental Pollution Research Center* **1988**: 50 (*Chaetocladius*). Type-locality: [Summary, p. 27] "Oyabe River Basin, western Toyama Prefecture . . . Japan"; [p. 50] "at Station C-4, Futomibashi". — Distr.: **PA**: Japan.

perennis (MEIGEN, 1830): *Systematische Beschreibung* **6**: 249 (*Chironomus*). Type-locality: [Title] "europäischen" [= European]. — Distr.: **NE**: Canada (Northwest Territories, Nunavut), U.S.A. (Alaska); **PA**: Algeria, Austria, Belgium, **?**Czech Republic, Denmark, Faroe Islands, Finland, France, Germany, Great Britain, Iceland, Ireland, Italy, Lebanon, Netherlands, Norway, Novaya Zemlya, Poland, Portugal, Romania, Russia (CET, NET, East Siberia, Far East), Slovakia, Spain, Spitzbergen, Sweden, Switzerland, Turkey.

novatus (WALKER, 1856): *Insecta Britannica Diptera* **3**: 184 (*Chironomus*). Type-locality: [Great Britain] "(E.)" [= England].

setiger (KIEFFER in KIEFFER & THIENEMANN, 1908): *Zeitschrift für Wissenschaftliche Insektenbiologie* **4**: 36 (*Dactylocladius*). Type-locality: [Germany] "Insel Rügen" [= Island of Rügen]. Senior primary homonym of *Dactylocladius setiger* Kieffer, 1911 (below). [**Note**]

setiger (KIEFFER, 1911): *Bulletin de la Société Entomologique de France* **1911**: 182 (*Dactylocladius*). Type-locality: [Introduction] "Allemagne" [= Germany]. **Preoccupied**. Junior primary homonym of *Dactylocladius setiger* Kieffer, 1908 (above).

polychaetus (KIEFFER, 1911): *Bulletin de la Société Entomologique de France* **1911**: 182 (*Dactylocladius*). Type-locality: [Introduction] "Allemagne" [= Germany] ‖►Type-locality: [Germany] "im Eingang des nördlichen Mauerstollens der Haspertalsperre" [= at the entrance of the northern wall tunnel of the Hasper Dam] in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 78]◄‖.

incertus (LUNDSTRÖM, 1915): *Résultats scientifiques de l'Expédition Polaire Russe en 1900-1903, sons la direction du Baron E. Toll. Section E*: *Zoologie* 2(8). *Zapiski Imperatorskoi Akademii Nauk, Série* 8, *Classe physico-mathématique* **29**(8): 15 (*Camptocladius*). Type-localities: [Russia, East Siberia] "Ins. Neu-Sibirien . . . Westküste" [= New Siberian Islands . . . west coast]; "Südküste am Holzgebirge" [= south coast on the Holzgebirge]; " am Ufer des Fl. Bolschaja" [= on the bank of the River Bolschaja]; "Nordküste bei der Bucht Wosnessenje" [= north coast at Wosnessenje Bay] [Lectotype designation in Sæther, 2004: *Zootaxa* **595**: 19, "RUSSIA: New Siberian Islands, west coast"].

trinotatus (KIEFFER in THIENEMANN & KIEFFER, 1916): *Archiv für Hydrobiologie Supplement* **2**(3): 518 (*Dactylocladius*). Type-locality: {Sweden} "in der Paalsjö-Strand-Källa" [= in the Pålsjö beach spring].

pentachaetus (KIEFFER, 1923): *Annales de la Société Scientifique de Bruxelles, 2e partie (Mémoires)* **42**: 141 (*Dactylocladius*). Type-locality: [Germany] "Westphalie" [= Westphalia]. [**Note**]

? *ellipsoidalis* (KIEFFER, 1923): *Annales de la Société Scientifique de Bruxelles, 2e partie (Mémoires)* **42**: 143 (*Orthocladius* (*Pachycladius*)). Type-locality: [Czech Republic] "Bohême : Königgrätz" [= Bohemia : Hradec Králové]. **Questionable synonym**. [**Note**]

piger (GOETGHEBUER, 1913): *Annales de Biologie Lacustre* **6**(2/3): 157 (*Dactylocladius*). Type-locality: {Belgique} "dans un fossé des environs de Gand" [= in a ditch in the vicinity of Gand] [Belgique = Belgium] [Lectotype designated in Caldwell, 1997: *Aquatic Insects* **19**(2): 118, "BELGIUM . . . Gand (Caroce)"]. — Distr.:

NE: Canada (Ontario, Québec), U.S.A. (Connecticut, Georgia, Kansas, Kentucky, Michigan, Minnesota, New York, North Carolina, North Dakota, Ohio, Pennsylvania, South Carolina, South Dakota, Tennessee, Virginia); **PA**: Algeria, Austria, Belgium, Denmark, Faroe Islands, Finland, France, Germany, Great Britain, Iceland, Ireland, Latvia, Lebanon, Moldova, Netherlands, Poland, Portugal, Romania, Russia (NET, East Siberia), Spain, Turkey.

stamfordi (JOHANNSEN, 1947): *Entomological News* **58**(7): 171 (*Hydrobaenus* (*Chaetocladius*)). Type-locality: [U.S.A.] "North Stamford, Connecticut".

oliveri SÆTHER, 1969: *Bulletin of the Fisheries Research Board of Canada* **170**: 93 (*Chaetocladius*). Type-locality: [Canada] "Gatineau Park, Que." [Que. = Québec].

pseudoligni MAKARCHENKO & MAKARCHENKO, 2002: *Chteniya Pamyati Vladimira Yakovlevicha Levanidova* **1**: 176 (*Chaetocladius*). Type-locality: [Russia, Far East] **o-v Vrangelya, bezymyannyi ruchei v raione pos. Umakovskii** [= Vrangel Island, anonymous stream in the vicinity of the village of Umakovskii]. — Distr.: **PA**: Russia (Far East). [**Note**]

rusticus (GOETGHEBUER, 1932): *Faune de France* **23**: 91 (*Orthocladius* (*Dactylocladius*)). Type-locality: "Belgique" [= Belgium] ‖►Type-locality: "Belgium . . . Postel" in Soponis, 1986: *Entomologica Scandinavica* **17**: 299◄‖. — Distr.: **PA**: Belgium. [**Note**]

shouangulatus SASA, 1989: *Research Report Toyama Prefectural Environmental Pollution Research Center* **1989**: 42 (*Chaetocladius*). Type-locality: [Japan] "on the bank of Shou River at Komaki Dam". — Distr.: **PA**: Japan.

suecicus (KIEFFER in THIENEMANN & KIEFFER, 1916): *Archiv für Hydrobiologie Supplement* **2**(3): 517 (*Dactylocladius*). Type-locality: {Sweden} "im Paalsjö Bäck" [= in the Pålsjö brook]. — Distr.: **PA**: Belgium, Czech Republic, Faroe Islands, France, Germany, Great Britain, Iceland, Italy, Macedonia, Netherlands, Norway, Poland, Romania, Russia (CET, NET), Slovakia, Spain, Sweden, Switzerland.

tenuiflexus BHATTACHARYAY & CHAUDHURI in BHATTACHARYAY, CHATTOPADHYAY & CHAUDHURI, 1993: *European Journal of Entomology* **90**(1): 92 (*Chaetocladius*). Type-locality: {India} "West Bengal, Darjeeling". — Distr.: **OR**: India (West Bengal).

tenuistylus BRUNDIN, 1947: *Arkiv för Zoologi* **39A**: 25 (*Chaetocladius*). Type-localities: {Sweden} "Jmtl. Jormsjön . . . an der Mündung des Blåsjöälven" [= Jämtland, Jormsjön . . . at the mouth of the Blåsjöälven]; "Zwishen Ankarvattnet und Leipikvattnet" [= Between Ankarvattnet and Leipikvattnet]. — Distr.: **PA**: Finland, Netherlands, Russia (Far East), Sweden.

togaconfusus SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 136 (*Chaetocladius*). Type-locality: {Japan} [Introduction, p. 92] "Toga-mura . . . in the southern mountainous part of Toyama Prefecture". — Distr.: **PA**: Japan.

toganomalis SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 137 (*Chaetocladius*). Type-locality: {Japan} [Introduction, p. 92] "Toga-mura . . . in the southern mountainous part of Toyama Prefecture"; [p. 137] "at the side of Momose River". — Distr.: **PA**: Japan.

toganomalis SASA & OKAZAWA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 120 (*Chaetocladius*). Locality: {Japan} [Abstract, p. 105] "Toga-mura, a village situated in the mountainous region of Toyama Prefecture". Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

togatriangulatus (SASA & OKAZAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 159 (*Pseudorthocladius*). Type-locality: {Japan} [Introduction, p. 92] "Toga-mura . . . in the southern mountainous part of Toyama Prefecture". — Distr.: **PA**: Japan.

togatriangulatus (SASA & OKAZAWA, 1991): *Research Report from Toyama*

Prefectural Environmental Pollution Research Center **1991**: 120 (*Pseudorthocladius*). Locality: {Japan} [Abstract, p. 105] "Toga-mura, a village situated in the mountainous region of Toyama Prefecture". Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

unicus MAKARCHENKO & MAKARCHENKO, 2002: *Chteniya Pamyati Vladimira Yakovlevicha Levanidova* **1**: 178 (*Chaetocladius*). Type-locality: [Russia, Far East] {o-v Vrangelya} [= Vrangel Island] **bezymyannyi ruchei v raione pos. Umakovskii** [= anonymous stream in the vicinity of the village of Umakovskii]. — Distr.: **PA**: Russia (Far East). [**Note**]

variabilis MAKARCHENKO & MAKARCHENKO, 2003: *Chteniya Pamyati Vladimira Yakovlevicha Levanidova* **2**: 207 (*Chaetocladius*). Type-locality: {Russian Far East} **Magadanskaya obl., Tauiskaya guba, bassein r. Chelomdzha, ruch. Moldot** [= Magadan Oblast, Tauiskaya Bay, valley of the River Chelomdzha, Moldot brook]. — Distr.: **PA**: Russia (Far East).

vitellinus (KIEFFER in KIEFFER & THIENEMANN, 1908): *Zeitschrift für Wissenschaftliche Insektenbiologie* **4**: 37 (*Camptocladius*). Type-locality: [Germany] "Insel Rügen" [= Island of Rügen]. — Distr.: **PA**: Austria, Belgium, Estonia, Germany, **?**Italy, Lithuania, Moldova, Netherlands, Poland, Romania, Russia (CET).

Nomina dubia in CHAETOCLADIUS

aethiops (GOETGHEBUER, 1939): *Bulletin et Annales de la Société Entomologique de Belgique* **79**(4/5): 227 (*Orthocladius* (*Chaetocladius*)). Type-locality: "au bois de Melle (Belgique)" [= in the forest of Melle (Belgium)].

arenarius (GOETGHEBUER, 1932): *Faune de France* **23**: 79 (*Orthocladius* (*Chaetocladius*)). Type-locality: "Belgique" [= Belgium].

collarti (GOETGHEBUER, 1941): *Bulletin du Musée Royal d'Histoire Naturelle de Belgique* **17**(67): 7 (*Orthocladius* (*Chaetocladius*); as "*Collarti*"). Type-locality:

{Belgique} "à Hockai" [= at Hockai] [Belgique = Belgium].

flavopilosellus (GOETGHEBUER, 1932): *Faune de France* **23**: 78 (*Orthocladius* (*Chaetocladius*)). Type-locality: "Belgique" [= Belgium].

luteiforceps (GOETGHEBUER, 1935): *Encyclopédie Entomologique, B-II, Diptera* **8**: 7 (*Orthocladius* (*Chaetocladius*)). Type-locality: [Germany, Bavaria] "à Fichtelgebierge" [= at Fichtelgebirge].

maurus KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 72 (*Chaetocladius*; as var. of *silesiacus* Kieffer, 1921). Type-locality: [Poland] "Silésie" [= Silesia] and [Introduction, p. 11] "sur un haut plateau tourbeux, nommé Seefelder" [= on a highland moor, named Seefelder]. Senior secondary homonymy of *Chaetocladius maurus* Goetghebuer, 1935.

maurus (GOETGHEBUER, 1935): *Encyclopédie Entomologique, B-II, Diptera* **8**: 7 (*Orthocladius* (*Chaetocladius*)). Type-locality: [Russia] "aux environs de Leningrad" [= in the vicinity of Leningrad (now St. Petersburg)]. **Preoccupied**. Junior secondary homonymy of *Chaetocladius maurus* Kieffer, 1924.

nigritellus (GOETGHEBUER, 1949): *Bulletin de l'Institut Royal des Sciences Naturelles de Belgique* **25**(14): 4 (*Orthocladius*). Type-locality: "Autriche: Hohe Wildstelle Schiadm. Tauern" [= Austria: high wild point Schadminger Tauern].

overmeirensis (GOETGHEBUER, 1932): *Faune de France* **23**: 79 (*Orthocladius* (*Chaetocladius*)). Type-locality: "Belgique" [= Belgium].

palestinae (GOETGHEBUER, 1934): *Bulletin et Annales de la Société Entomologique de Belgique* **74**(5/6): 215 (*Orthocladius* (*Chaetocladius*); as "*Palestinae*"). Type-locality: [Israel] "Palestine : environs de Jaffa" [= Palestine : vicinity of Jaffa].

silesiacus KIEFFER, 1921: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 101 (*Chaetocladius*). Type-locality: [Poland] "Silésie" [= Silesia].

tibialis (KIEFFER in KIEFFER & THIENEMANN, 1908): *Zeitschrift für Wissenschaftliche Insektenbiologie* **4**: 38 (*Camptocladius*). Type-locality: [Germany] "Insel Rügen" [= Island of Rügen].

Genus **CHASMATONOTUS** LOEW

CHASMATONOTUS LOEW, 1864: *Berliner Entomologische Zeitschrift* **8**(1/2): 51. Type-species: *Chasmatonotus unimaculatus* Loew, 1864, by monotypy.

akanseptimus (SASA & KAMIMURA, 1987): *Research Report from the National Institute for Environmental Studies* **104**: 32 (*Pseudorthocladius*). Type-locality: {Akan National Park, Hokkaido, Japan} "shore of Lake Kussharo". — Distr.: **PA**: Japan.

tatesecundus (SASA, 1996): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996** (**December**): 29 (*Pseudorthocladius*). Type-locality: [Japan] [p. 17] "at Tateyama Station".

yakuuveus (SASA & SUZUKI, 2000): *Tropical Medicine* **42**(2): 77 (*Psectrocladius* (*Monopsectrocladius*)). Type-localities: {Yakushima Island, Southwestern Japan} "Takenokawa River"; "Issogawa River"; "Yakusugi Land"; "Anbou River".

atripes REMPEL, 1937: *Canadian Entomologist* **69**(11): 253 (*Chasmatonotus*). Type-locality: [U.S.A.] "Ithaca, N. Y." [N. Y. = New York]. — Distr.: **NE**: Canada (New Brunswick, Ontario), U.S.A. (Illinois, Maryland, Michigan, New York, Ohio).

bicolor REMPEL, 1937: *Canadian Entomologist* **69**(11): 254 (*Chasmatonotus*). Type-locality: [U.S.A.] "Nashville, Tenn." [Tenn. = Tennessee]. — Distr.: **NE**: U.S.A. (New York, Pennsylvania, Tennessee).

bimaculatus OSTEN SACKEN, 1877: *Bulletin of the United States Geological and Geographical Survey of the Territories* **3**: 191 (*Chasmatonotus*). Type-localities: [U.S.A., New York] "Catskill Mountain House"; [Canada] "Quebec". — Distr.: **NE**: Canada (Québec), U.S.A. (Illinois, New Jersey, New York, North Carolina, Pennsylvania, Tennessee).

brevicornis YAMAMOTO, 1985: *Esakia* **23**: 93 (*Chasmatonotus*). Type-locality: "Japan . . . Kôtoku, Nikko, Tochigi Pref., Honshu". — Distr.: **PA**: Japan.

fascipennis COQUILLETT, 1905: *Journal of the New York Entomological Society* **13**(2): 66 (*Chasmatonotus*). Type-locality: [Canada] "Kaslo Creek, British Columbia". —

Distr.: **NE**: Canada (British Columbia), U.S.A. (Idaho, Montana, Wyoming).

furfurosus YAMAMOTO, 1985: *Esakia* **23**: 96 (*Chasmatonotus*). Type-locality: "Japan . . . Mt. Hikosan (700 m), Fukuoka Pref., Kyushu". — Distr.: **PA**: Japan.

furufurosus: incorrect subsequent spelling.

hyalinus COQUILLETT, 1905: *Journal of the New York Entomological Society* **13**(2): 67 (*Chasmatonotus*). Type-locality: [U.S.A.] "Eureka, Cal." [Cal. = California]. — Distr.: **NE**: U.S.A. (California).

maculipennis REMPEL, 1937: *Canadian Entomologist* **69**(11): 254 (*Chasmatonotus*). Type-locality: [U.S.A.] "Seattle, Wash." [Wash. = Washington]. — Distr.: **NE**: Canada (British Columbia), U.S.A. (California, Washington).

parabicolor YAMAMOTO, 1980: *Esakia* **15**: 89 (*Chasmatonotus*). Type-locality: {Japan} "Mt. Shiroumadake (1600-2600 m), Kita-Azumi-Gun, Nagano Pref., Honshu". — Distr.: **PA**: Japan.

saigusai YAMAMOTO, 1980: *Esakia* **15**: 92 (*Chasmatonotus*). Type-locality: {Japan} "Mt. Kinpusan (1800-2596 m), Yamanashi Pref.". — Distr.: **PA**: Japan.

unilobus YAMAMOTO, 1980: *Esakia* **15**: 82 (*Chasmatonotus*). Type-locality: {Japan} "Amô (1400 m), Hida-Kawai, Gifu Pref., Honshu". — Distr.: **PA**: Japan.

unimaculatus LOEW, 1864: *Berliner Entomologische Zeitschrift* **8**(1/2): 50 (*Chasmatonotus*). Type-locality: [U.S.A.] "New Hampshire". — Distr.: **NE**: Canada (New Brunswick, Nova Scotia, Ontario, Québec), U.S.A. (Connecticut, Maine, Massachusetts, Michigan, New Hampshire, New Jersey, New York, North Carolina, Ohio, South Carolina, Vermont).

univittatus COQUILLETT, 1900: *Proceedings of the Washington Academy of Sciences* **2**: 395 (*Chasmatonotus*). Type-locality: [U.S.A.] "Sitka, Alaska". — Distr.: **NE**: Canada (British Columbia), U.S.A. (Alaska, California, Washington).

Genus **CLUNIO** HALIDAY

CLUNIO HALIDAY, 1855: *Natural History Review (Proceedings)* **2**: 62. Type-species: *Clunio marinus* Haliday, 1855, by monotypy.

EUCLUNIO GOETGHEBUER in GOETGHEBUER & LENZ, 1950: *Die Fliegen der Palaearktischen Region* **13h**: 5 (as subgenus of *Clunio* Haliday, 1855). Type-species: Not given. Name not made available - not accompanied by the fixation of a type-species contrary to Article 13.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.** Synonymized with *Clunio* Haliday, 1855, by Ashe (1983: *Entomologica Scandinavica Supplement* **17**: 23). [**Note**]

africanus HESSE, 1937: *Proceedings of the Royal Entomological Society London* (B) **6**: 165 (*Clunio*). Type-locality: [South Africa] "Natal Coast (Indian Ocean): Isipingo". — Distr.: **AF**: South Africa.

aquilonius TOKUNAGA, 1938: *Annotationes Zoologicae Japonenses* **17**(2): 126 (*Clunio*). Type-locality: "Japan . . . Akkeshi, Hokkaido". — Distr.: **PA**: China (Hebei, Liaoning, Shandong), Japan.

balticus HEIMBACH, 1978: *Oecologia* **32**(2): 196 (*Clunio*). Type-localities: "about 20 km south of Bergen in western Norway, . . . in the Kviturdvikpollen"; "Baltic Sea". — Distr.: **PA**: Denmark, Finland, Germany, Norway, Sweden. [**Note**]

brasiliensis OLIVEIRA, 1950: *Revista Brasileira de Biologia* **10**(4): 494 (*Clunio*). Type-locality: "Praia de Amaralina, Salvador, Brasil". — Distr.: **NT**: Argentina, Brazil, Juan Fernández Islands, **?**Puerto Rico. [**Note**]

brevis STONE & WIRTH, 1947: *Proceedings of the Entomological Society of Washington* **49**(8): 212 (*Clunio*). Type-locality: {Hawaiian Islands} "Waimanalo, Oahu". — Distr.: **OC**: Hawaiian Islands (Oahu Island).

californiensis HASHIMOTO, 1974: *Entomologisk Tidskrift Supplement* **95**: 108 (*Clunio*). Type-locality: [U.S.A.] "White Point, California". — Distr.: **NE**: Mexico (Baja California Sur, Sonora), U.S.A. (California).

chilensis PAGGI, 1985: *Proceedings of the Entomological Society of Washington* **87**(2): 462 (*Clunio*). Type-locality: "Pt. Alert, Mornington Island, Chile". — Distr.: **NT**: Chile. [**Note**]

fuscipennis WIRTH, 1952: *Revista Chilena de Entomología* **2**: 99 (*Clunio*). Type-locality: {Chile, Juan Fernández Islands} "MASAFUERA, Quebrada de las Casas —

Playa". — Distr.: **NT**: Juan Fernández Islands.

gerlachi SÆTHER, 2004: *Annales de Limnologie* **40**(4): 294 (*Clunio*). Type-locality: "SEYCHELLES: Silhouette, La Passe (above Dauban Mausoleum)". — Distr.: **AF**: Seychelles.

jonesi SÆTHER & ANDERSEN, 2011: *Zootaxa* **2915**: 13 (*Clunio*). Type-locality: "GOUGH ISLAND: Site SB1 at Seal Beach, 40°20'667"S, 09°52'199"W, supralittoral, 5 m a.s.l.". — Distr.: **AF**: Gough Island.

littoralis STONE & WIRTH, 1947: *Proceedings of the Entomological Society of Washington* **49**(8): 203 (*Clunio*). Type-locality: {Hawaiian Islands} "Waimanalo, Oahu". — Distr.: **OC**: Hawaiian Islands (Hawaii Island, Kauai Island, Oahu Island), **?**Midway Island.

marinus HALIDAY, 1855: *Natural History Review (Proceedings)* **2**: 62 (*Clunio*). Type-locality: [Ireland] [Title, p. 59] "Kerry" [= County Kerry]. — Distr. **PA**: Belgium, **?**Bulgaria, Denmark, **?**Egypt, France, Germany, Great Britain, Iceland, Ireland, Italy, Madeira, Netherlands, Norway, Poland, **?**Romania, Russia (NET, **?**SET), Spain, Spitzbergen, Sweden. [**Note**]

syzygialis CHEVREL, 1894: *Archives de Zoologie Expérimentale et Générale* (3e Série) **2**(4): 584 (*Clunio*; as "*Syzygialis*"). Type-locality: [Framce] "sur les côtes du Calvados" [= on the coasts of Calvados].

bicolor KIEFFER, 1901: *Bulletin de la Société des Amis des Sciences Naturelles de Rouen P.-v. Séance 8. Nov. 1900*: 73 (*Clunio*). Type-locality: [Framce] "littoral de la Normandie, . . . dans l'anse de Saint-Martin, située entre Omonville-la-Rogue et le cap de la Hague" [= coast of Normandy, . . . in the cove of Saint-Martin, located between Omonville-la-Rogue and Cap de la Hague]. [**Note**]

marshalli STONE & WIRTH, 1947: *Proceedings of the Entomological Society of Washington* **49**(8): 214 (*Clunio*). Type-locality: [U.S.A.] "Biscayne Channel, Dade County, Fla" [Fla = Florida]. — Distr.: **NT**: Bahamas, Jamaica, Virgin Islands; **NE**: Bermuda, U.S.A. (Florida, North Carolina).

martini HASHIMOTO, 1973: *Bulletin of the Faculty of Education, Shizuoka University,*

National Science Service **24**: 1 (*Clunio*). Type-locality: {Australia} "Point Leo, Victoria". — Distr.: **AU**: Australia (Victoria).

mediterraneus NEUMANN, 1971: *Oecologia* **8**(1): 10 (*Clunio*). Type-localities: [page 10] [Croatia] "Rovinj/Jugoslawien" [= Rovinj/Yugoslavia]; "Marseille und Banyuls-sur-Mer, Frankreich" [= Marseilles and Banyuls-sur-Mer, France]. — Distr.: **PA**: Balearic Islands, Croatia, France (Mediterranean coast), Italy, Spain (Mediterranean coast), Turkey. [**Note**]

mediterraneus NEUMANN, 1966: *Zeitschrift für vergleichende Physiologie* **53**(1): 3, 4, 5 (*Clunio*). Locality: [Croatia] [page 5] "Rovinj/Istrien (NO-Teil der Bahnhofsbucht" [= Rovinj/Istria (north-eastern part of the railway station bay]. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

pacificus EDWARDS, 1926: *Proceedings of the Zoological Society of London* **51**: 790 (*Clunio*). Type-locality: [Western Samoa] "Apia, Upolu Island, . . . Pilot Station". — Distr.: **PA**: Japan; **OR**: Japan (Ryukyu Archipelago); **AU**: Australia (New South Wales), Belau; **OC**: American Samoa, Northern Marianas, Vanuatu, Western Samoa.

ponticus MICHAILOVA, 1980: *Zoologischer Anzeiger* **205**(5/6): 425 (*Clunio*). Type-locality: {Bulgaria} "Black sea coast at Varna (Resort Drujba". — Distr.: **PA**: Bulgaria, Ukraine. [**Note**]

purpureus HASHIMOTO, 1962: *Science Reports of the Tokyo Kyoiku Daigaku* (Section B) **10**: 285 (*Clunio*). Type-locality: "Shimoda, Japan". — Distr.: **PA**: Japan.

schmitti STONE & WIRTH, 1947: *Proceedings of the Entomological Society of Washington* **49**(8): 217 (*Clunio*). Type-locality: "Narborough Island (Isla Fernandina), Galapagos Islands". — Distr.: **NT**: Galapagos Islands.

setoensis TOKUNAGA, 1933: *Philippine Journal of Science* **51**(1): 89 (*Clunio*). Type-locality: "Japan . . . Seto, Wakayama Prefecture". — Distr.: **PA**: Japan; **OR**: Japan (Ryukyu Archipelago).

takahashii TOKUNAGA, 1938: *Philippine Journal of Science* **65**(4): 314 (*Clunio*). Type-

locality: [Taiwan] "Formosa . . . Tansui, near Taihoku". — Distr.: **PA**: Japan; **OR**: Taiwan.

tsushimaensis TOKUNAGA, 1933: *Philippine Journal of Science* **51**(1): 92 (*Clunio*). Type-locality: {Japan} "rocky seashore of Tsushima Island". — Distr.: **PA**: Japan; **OC**: Hawaiian Islands (Hawaii Island). [**Note**]

minor TOKUNAGA, 1933: *Philippine Journal of Science* **51**(1): 93 (*Clunio*; originally as "*tsushimaensis* var. *minor*"). Type-locality: "Japan . . . Seto, Wakayama Prefecture".

tuthilli TOKUNAGA, 1964: *Insects of Micronesia* **12**(5): 537 (*Clunio*). Type-locality: "Jobtan I., Eniwetok Atoll, Marshall Is.". — Distr.: **OC**: Marshall Islands.

vagans STONE & WIRTH, 1947: *Proceedings of the Entomological Society of Washington* **49**(8): 206 (*Clunio*). Type-locality: {Hawaiian Islands} "Wailua Falls, Kauai". — Distr.: **OC**: Hawaiian Islands (Hawaii Island, Kauai Island, Oahu Island). [**Note**]

virginianus PAGGI, 1985: *Proceedings of the Entomological Society of Washington* **87**(2): 460 (*Clunio*). Type-locality: "St. John, U.S. Virgin Islands, Lesser Antilles". — Distr.: **NT**: U.S. Virgin Islands. [**Note**]

sp.: COFFMAN, YURASITS & DE LA ROSA, 1988: *Spixiana Supplement* **14**: 158 (*Clunio*). Locality: "South India". — Distr.: **OR**: India (Kerala or Tamil Nadu).

Nomina dubia in CLUNIO

adriaticus SCHINER, 1857: *Verhandlungen des Zoologisch-Botanischen Gesellschaft in Wien* **6**: 217 (*Clunio*; as "*Cluneo*"). Type-locality: [Italy] "Triest" [= Trieste]. [**Note**]

aegyptius KIEFFER, 1925: *Bulletin de la Société Royale Entomologique d'Égypte* **8** (1924): 307 (*Clunio*; as var. of *marinus* Haliday, 1855). Type-locality: {Egypt} "Suez, . . . à marée basse" [= Suez, . . . at low tide]. [**Note**]

balearicus BEZZI, 1913: *Archives de Zoologie Expérimentale et Générale* **51**(4): 505 (*Clunio*; as var. of *adriaticus* Schiner, 1857). Type-locality: [Spain] "*Ad*

Balearium insulam Majorca, *in mare aperto prope sinum* Pollensa" [= At the Balearic island of Majorca, in the open sea near the bay of Pollensa]. [**Note**]

Genus **COLOSMITTIA** ANDERSEN & SÆTHER

COLOSMITTIA ANDERSEN & SÆTHER, 1994: *Journal of the Kansas Entomological Society* **66**(4): 439. Type-species: *Colosmitta clavata* Andersen & Sæther, 1994, by original designation.

anamariae ANDERSEN, MENDES & HAGENLUND, 2011: *Biota Neotropica* **11**(3): 212 (*Colosmittia*). Type-locality: "Costa Rica, Alajuela Province, Alfaro Ruiz Cantón, near Zarcero". — Distr.: **NT**: Costa Rica.

brasileira MENDES & ANDERSEN, 2009: *Neotropical Entomology* **38**(5): 649 (*Colosmitta*). Type-locality: "Brazil, São Paulo state, Parque Estadual Intervales, Ribeirão Grande, Barra Grande". — Distr.: **NT**: Brazil.

clavata ANDERSEN & SÆTHER, 1994: *Journal of the Kansas Entomological Society* **66**(4): 442 (*Colosmitta*). Type-locality: "TANZANIA: Tanga region, West Usambara Mts, Mazumbai, Kaputu Stream, Malaise trap loc. 5, 1650 m a.s.l.". — Distr.: **AF**: Tanzania.

Genus **COMPTEROSMITTIA** SÆTHER

COMPTEROSMITTIA SÆTHER, 1981: *Entomologica Scandinavica Supplement* **16**: 20. Type-species: *Compterosmittia dentispina* Sæther, 1981, by original designation.

HIROSIMAYUSURIKA SASA, SHIMOMURA & MATSUO, 1991: *Japanese Journal of Sanitary Zoology* **42**(4): 282. Type-species: *Hirosimayusurika tsujii* Sasa, Shimomura & Matsuo, 1991, by original designation. Synonymized with *Compterosmittia* Sæther, 1981, by Sæther, Ashe & Murray (2000: *Manual of Palaearctic Diptera* **4** (Appendix): 185).

HIROSHIMAYUSURIKA: incorrect subsequent spelling.

aberrans MENDES, ANDERSEN & SÆTHER, 2004: *Zootaxa* **594**: 62 (*Compterosmittia*). Type-locality: "COSTA RICA: Heredia Province, La Selva Biological Station,

10°26'N, 83°59'W". — Distr.: **NT**: Costa Rica.

berui MENDES, ANDERSEN & SÆTHER, 2004: *Zootaxa* **594**: 64 (*Compterosmittia*). Type-locality: "BRAZIL: São Paulo State, Salesópolis, Estação Biológica Boracéia, córrego Venerando". — Distr.: **NT**: Brazil.

croizati MENDES, ANDERSEN & SÆTHER, 2004: *Zootaxa* **594**: 67 (*Compterosmittia*). Type-locality: "VENEZUELA: Aragua, Parque Nacional Henri Pittier, Rancho Grande, 10°21.047'N, 67°41.198'W . . . about 1000 m a.s.l.". — Distr.: **NT**: Venezuela.

dentispina SÆTHER, 1981: *Entomologica Scandinavica Supplement* **16**: 20 (*Compterosmittia*). Type-locality: "442 m a.s.l., below waterfall, Majorca, Yambou River, St. Vincent". — Distr.: **NT**: St. Kitts, St. Lucia, St. Vincent.

nerius (CURRAN, 1930): *Bulletin of the American Museum of Natural History* **61**: 34 (*Camptocladius*). Type-locality: [U.S.A.] [p. 21] "Harriman Interstate Park . . . near the southern end of the park about three miles from the village of Tuxedo, N. Y." [N. Y. = New York]. — Distr.: **NE**: U.S.A. (New York, North Carolina, Ohio, South Carolina); **?AU**: **?**Belau; **?OC**: **?**Bonin Islands, **?**Federated States of Micronesia. [**Note**]

clavigera SÆTHER, 1982: *Entomologica Scandinavica* **13**(4): 491 (*Compterosmittia*). Type-locality: "U.S.A. . . . seep-small stream Issaqueena Forest, Clemson Univ., Pickens Co., South Carolina".

? *claggi* (TOKUNAGA, 1964): *Insects of Micronesia* **12**(5): 506 (*Metriocnemus*). Type-locality: "Futami-ko, Chichi Jima, Bonin Is.". **Questionable synonym**. [**Note**]

oyabelurida (SASA, KAWAI & UENO, 1988): *Research Report Toyama Prefectural Environmental Pollution Research Center* **1988**: 54 (*Parakiefferiella*). Type-locality: [Summary, p. 27] "Oyabe River Basin, western Toyama Prefecture . . . Japan"; [p. 54] "Station 1 of Oyabe River". — Distr.: **PA**: Japan.

pectinata (FREEMAN, 1961): *Australian Journal of Zoology* **9**(4): 662 (*Gymnometriocnemus*). Type-locality: {Australia} "Newport, N.S.W." [N.S.W.

= New South Wales]. — Distr.: **AU**: Australia (New South Wales).

pittieri MENDES, ANDERSEN & SÆTHER, 2004: *Zootaxa* **594**: 70 (*Compterosmittia*). Type-locality: "VENEZUELA: Aragua, Parque Nacional Henri Pittier, Rancho Grande, 10°21.047'N, 67°41.198'W . . . about 1000 m a.s.l.". — Distr.: **NT**: Venezuela.

togalimea (SASA & OKAZAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 149 (*Epoicocladius*). Type-locality: {Japan} [Introduction, p. 92] "Toga-mura . . . in the southern mountainous part of Toyama Prefecture". — Distr.: **PA**: Japan, Russia (Far East).

toyamaopea (SASA, 1996): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996** (**March**): 37 (*Epoicocladius*). Type-locality: [Introduction, p. 16] "Japan . . . in the zoological garden called Toyama City Family Park on the foot of Kureha Hill"; [p. 17] "at the side of the ground pool "A." " [= Lake A, p. 16].

togalumea (SASA & OKAZAWA, 1991): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 120 (*Parakiefferiella*). Locality: {Japan} [Abstract, p. 105] "Toga-mura, a village situated in the mountainous region of Toyama Prefecture". Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

tsujii (SASA, SHIMOMURA & MATSUO, 1991): *Japanese Journal of Sanitary Zoology* **42**(4): 282 (*Hirosimayusurika*). Type-locality: {Japan} "at the side of the moat of Hiroshima Castle". — Distr.: **PA**: Japan.

furudosexta (SASA & ARAKAWA, 1994): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1994**: 97 (*Epoicocladius*). Type-locality: [Japan] [Introduction, p. 88] "Furudo . . . a man-made lake constructed in a hilly area of Ikeda, southern part of Toyama-shi".

tuberculifera (TOKUNAGA, 1964): *Insects of Micronesia* **12**(5): 530 (*Smittia*). Type-

locality: [Federated States of Micronesia] "Ton I., Truk". — Distr.: **AU**: Belau; **OC**: Bonin Islands, Guam, Federated States of Micronesia.

virga WANG, 1998: *Acta Entomologica Sinica* **41**(1): 95 (*Compterosmittia*). Type-locality: [p. 97, English Summary] {China} "Heishiding Natural Conservation, Fenkai County, Guangdong Province". — Distr.: **PA**: Russia (Far East); **OR**: China (Guangdong).

Genus **CORYNONEURA** WINNERTZ

CORYNONEURA WINNERTZ, 1846: *Stettiner Entomologische Zeitung* **7**(1): 12. Type-species: *Corynoneura scutellata* Winnertz, 1846, by subsequent designation of Coquillett (1910: *Proceedings of the United States National Museum* **37**: 528).

BAUSEIA KIEFFER, 1923: *Annales de la Société Scientifique de Bruxelles, 2e partie (Mémoires)* **42**: 166 (as subgenus of *Corynoneura* Winnertz, 1846). Type-species: *Corynoneura antennalis* Kieffer, 1921 [**?** = *Corynoneura celeripes* Winnertz, 1852], by original designation. Synonymized with *Corynoneura* Winnertz, 1846, by Edwards (1929: *Transactions of the Entomological Society of London* **77**: 367).

PARACORYNONEURA GOETGHEBUER in GOETGHEBUER & LENZ, 1939: *Die Fliegen der Palaearktischen Region* **13f**: 7 (as subgenus of *Corynoneura* Winnertz, 1846). Type-species: *Corynoneura* (*Corynoneura*) *carriana* Edwards, 1924, by monotypy. Synonymized with *Corynoneura* Winnertz, 1846, by Freeman (1953: *Proceedings of the Royal Entomological Society* (B) **22**(11/12): 208).

EUCORYNONEURA GOETGHEBUER in GOETGHEBUER & LENZ, 1939: *Die Fliegen der Palaearktischen Region* **13f**: 4 (as subgenus of *Corynoneura* Winnertz, 1846). Type-species: Not given. Name not made available - not accompanied by fixation of a type-species contrary to Article 13.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**. Synonymized with *Corynoneura* Winnertz, 1846, by Freeman (1953: *Proceedings of the Royal Entomological Society* (B) **22**(11/12): 208).

arctica KIEFFER, 1923: *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **9**: 4 (*Corynoneura*). Type-locality: [Russia] {Nouvelle-

Zemble} "Lac Lomvand, Baie Belushii" [= Lake Lomvand, Belushii Bay] [Lectotype male designated by Oliver, "Novaya Semlja" noted in Hirvenoja & Hirvenoja, 1988: *Spixiana Supplement* **14**: 224]. — Distr.: **NE**: Canada (Northwest Territories), U.S.A. (**?**state); **PA**: Austria, China (Tianjin), Finland, France, Germany, Great Britain, Ireland, Italy, Netherlands, Norway, Novaya Zemlya, Portugal, Russia (NET, Far East), Spain, Switzerland.

aurora MAKARCHENKO & MAKARCHENKO, 2010: *Evraziatskii Entomologicheskii Zhurnal* **9**(3): 356 (*Corynoneura*). Type-locality: {Russia} **Primorskii kr., Lazovskii r-n, Lazovskii zapovednik, oz. Zarya** [= Primorsky Krai, Lazovsky District, Lazovsky Nature Reserve, Lake Zarya]. — Distr.: **PA**: Russia (Far East).

australiensis FREEMAN, 1961: *Australian Journal of Zoology* **9**(4): 673 (*Corynoneura*). Type-locality: {Australia} "Blundell's, A.C.T." [A.C.T. = Australian Capital Territory]. — Distr.: **AU**: Australia (Australian Capital Territory).

brundini HIRVENOJA & HIRVENOJA, 1988: *Spixiana Supplement* **14**: 228 (*Corynoneura*). Type-locality: "aus dem Kleinsee Posolampi (zur Zeit ein Teil des Stausees Lokka), Sodankylä, Finnisch–Lappland" [= from the small Lake Posolampi (at present a part of the Lokka reservoir), Sodankylä, Finnish–Lapland]. — Distr.: **PA**: Finland.

carinata SINGH & MAHESHWARI, 1987: *Annals of Entomology* **5**(2): 11 (*Corynoneura*). Type-locality: "India; Himachal Pradesh, Northwest Himalaya, Lahaul Valley, Chandertal Lake, 4,270 m. above m.s.l." [Lahaul = Lahul]. — Distr.: **OR**: India (Himachal Pradesh).

carriana EDWARDS, 1924: *Entomologist's Monthly Magazine* **60**: 188 (*Corynoneura* (*Corynoneura*)). Type-locality: [Great Britain] "Nottingham, . . . reared from water-weeds from the river Trent" . — Distr.: **PA**: Algeria, Austria, Belgium, Corsica, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Ireland, Italy, Kaliningrad, Morocco, Netherlands, Norway, Poland, Russia (CET, Far East), Slovakia, Spain, Sweden, Switzerland.

crassipes KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1re partie (Comptes Rendus)* **44**: 564 (*Corynoneura*). Type-locality: "Allemagne" [= Germany].

celeripes WINNERTZ, 1852: *Stettiner Entomologische Zeitung* **13**(2): 50 (*Corynoneura*). Type-locality: "aus hiesiger Gegend" [= from this region (the author's address), i.e. Crefeld, Germany]. — Distr.: **NE**: Canada (Ontario, Saskatchewan), Greenland, U.S.A. (Illinois, Indiana, Maine, New York, Ohio); **PA**: Austria, Balearic Islands, Belarus, Belgium, Croatia, Czech Republic, Finland, France, Germany, Great Britain, Hungary, Ireland, Moldova, Mongolia, Netherlands, Norway, Poland, Romania, Russia (CET, NET, SET, East Siberia, West Siberia), Slovakia, Spain, Sweden.

atra WINNERTZ, 1852: *Stettiner Entomologische Zeitung* **13**(2): 50 (*Corynoneura*). Type-locality: "aus hiesiger Gegend" [= from this region (author's address), i.e. Crefeld, Germany].

? *bifurcata* KIEFFER, 1921: *Archiv für Hydrobiologie Supplement* **2**(4): 808 (*Corynoneura*). Type-locality: "Frankreich: Dauphiné, Larven im Lac du Petit-Chat" [= France: Dauphiné, larvae in the Lac du Petit-Chat]. **Questionable synonym**. [**Note**]

? *antennalis* KIEFFER, 1921: *Archiv für Hydrobiologie Supplement* **2**(4): 807 (*Corynoneura*). Type-locality: [Czech Republic] "Böhmen" [= Bohemia]. **Questionable synonym**. Senior primary homonym of *Corynoneura (Bauseia) antennalis* Kieffer, 1923 (below).

? *antennalis* KIEFFER, 1923: *Annales de la Société Scientifique de Bruxelles, 2e partie (Mémoires)* **42**: 166 (*Corynoneura* (*Bauseia*)). Type-locality: [Czech Republic] "Böhmen" [= Bohemia]. **Preoccupied**. Junior primary homonym of *Corynoneura antennalis* Kieffer, 1921 (above).

celtica EDWARDS, 1924: *Entomologist's Monthly Magazine* **60**: 186 (*Corynoneura* (*Corynoneura*)). Type-locality: [Great Britain] "Newtown, N. Wales". — Distr.: **PA**: Algeria, Austria, Balearic Islands, Belgium, Corsica, Croatia, Czech

Republic, Estonia, Finland, France, Germany, Great Britain, Hungary, Ireland, Japan, Lebanon, Morocco, Norway, Romania, Russia (CET, NET), Slovakia, Spain, Sweden, Switzerland.

? *brevinervis* KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1re partie (Comptes Rendus)* **44**: 564 (*Corynoneura*). Type-localities: "Allemagne" [= Germany]; "Esthonie" [= Estonia]; ‖►Estonian type-locality identified as "Kiefernheidewald am Mävlimoorrand, Dagö" [= Pine-heath forest on the edge of Mävli moor, Dagö] in Kieffer, 1927: *Sitzungsberichte der Naturforscher-Gesellschaft bei der Universität Tartu* **33**: 62◄‖. **Questionable synonym**.

centromedia HAZRA & CHAUDHURI in HAZRA, NATH & CHAUDHURI, 2003: *Entomologist's Monthly Magazine* **139**: 69 (*Corynoneura*). Type-locality: {India} "West Bengal: Teestabazar". — Distr.: **OR**: India (West Bengal).

chandertali SINGH & MAHESHWARI, 1987: *Annals of Entomology* **5**(2): 13 (*Corynoneura*). Type-locality: "India: Himachal pradesh, Northwest Himalaya, Lahaul Valley, Chandertal Lake, 4,270 m. above m.s.l." [Lahaul = Lahul]. — Distr.: **OR**: India (Himachal Pradesh).

collaris MAKARCHENKO & MAKARCHENKO, 2010: *Evraziatskii Entomologicheskii Zhurnal* **9**(3): 358 (*Corynoneura*). Type-locality: {Russia} **Evreiskaya avtonomnaya oblast′, r. Sutara (bass. r. Bidzkan)** [= Evreiskaya Autonomous Oblast, River Sutara (basin of the River Bidzkan)]. — Distr.: **PA**: Russia (Far East).

confidens FU, SÆTHER & WANG, 2009: *Zootaxa* **2287**: 6 (*Corynoneura*). Type-locality: "P. R. CHINA: Sichuan Province, Kangding County, Wasigou, 30°03'N, 101°58'E, alt. 2560 m". — Distr.: **OR**: China (Sichuan).

coronata EDWARDS, 1924: *Entomologist's Monthly Magazine* **60**: 187 (*Corynoneura* (*Corynoneura*)). Type-locality: [Great Britain] "Mildenhall, Suffolk". — Distr.: **PA**: Bulgaria, Estonia, Finland, France, Germany, Great Britain, Ireland, Italy, Lebanon, Morocco, Netherlands, Norway, Romania, Russia (CET, NET), Spain, Sweden, Switzerland, Turkey.

cristata FREEMAN, 1953: *Proceedings of the Royal Entomological Society* (B) **22**(11/12): 209 (*Corynoneura*). Type-locality: [South Africa] "French Hoek Forest Reserve". — Distr.: **AF**: South Africa, Zimbabwe.

cuspis TOKUNAGA, 1936: *Tenthredo* **1**(1): 48 (*Corynoneura* (*Corynoneura*)). Type-locality: "Japan (Honshu) . . . Kitashirakawa, Kyoto". — Distr.: **PA**: Japan.

cylindricauda FU, SÆTHER & WANG, 2009: *Zootaxa* **2287**: 8 (*Corynoneura*). Type-locality: "P. R. CHINA: Xinjiang Province, Aletai City, Eerqisi river, 88°07'E, 47°55'N, alt. 400 m". — Distr.: **PA**: China (Xinjiang).

dewulfi GOETGHEBUER, 1935: *Revue de Zoologie et de Botanique Africaines* **27**: 364 (*Corynoneura*). Type-locality: [Democratic Republic of the Congo] "Escarpment Kabasha : Chambi". — Distr.: **AF**: D.R.Congo, Ethiopia, South Africa, Tanzania, Uganda, Zimbabwe.

scotti FREEMAN, 1953: *Proceedings of the Royal Entomological Society* (B) **22**(11/12): 209 (*Corynoneura*). Type-locality: [South Africa] "Kirstenbosch".

diara ROBACK, 1957: *Proceedings of the Academy of Natural Sciences of Philadelphia* **109**: 10 (*Corynoneura* (*Corynoneura*)). Type-locality: [U.S.A.] "Lemon's Grove, three miles south of Kamas, Summit County, Utah".— Distr.: **NE**: U.S.A. (Utah).

doriceni MAKARCHENKO & MAKARCHENKO, 2006: *Evraziatskii Entomologicheskii Zhurnal* **5**(2): 152 (*Corynoneura*). Type-locality: {Russia, Far East} **Primorskii krai, Khasanskii r-n, okr. pos. Khasan, oz. Lotos** [= Primorsky Krai, Khasansky District, in the vicinity of the settlement of Khasan, Lake Lotos]. — Distr.: **PA**: Russia (Far East).

edwardsi BRUNDIN, 1949: *Reports from the Institute of Freshwater Research, Drottningholm* **30**: 833 (*Corynoneura*; as "*Edwardsi*"). Type-locality: [Sweden] "See Fiolen bei Aneboda" [= Lake Fiolen at Aneboda]. — Distr.: **PA**: Bulgaria, China (Xinjiang), Denmark, Finland, France, Germany, Great Britain, Ireland, Italy, Japan, Kaliningrad, Lithuania, **?**Macedonia, Netherlands, Norway, Romania, Russia (CET, NET, Far East), Spain, Sweden, Switzerland.

elongata FREEMAN, 1953: *Proceedings of the Royal Entomological Society* (B) **22**(11/12): 210 (*Corynoneura*). Type-locality: [South Africa] "Berg River, French Hoek Forest Reserve". — Distr.: **AF**: South Africa, Zimbabwe.

ferelobata SUBLETTE & SASA, 1994: *Spixiana Supplement* **20**: 9 (*Corynoneura*). Type-locality: {Guatemala} "Barretal". — Distr.: **NT**: Guatemala; **PA**: China (Ningxia); **OR**: China (Sichuan, Yunnan).

fittkaui SCHLEE, 1968: *Stuttgarter Beiträge zur Naturkunde* **180**: 19 (*Corynoneura*). Type-locality: [Germany] "im Quellbereich eines Mittelgebirgsbaches („Schluchtquelle" und Quellbereich des „Langen Bachs") an der Wasserkuppe . . . von zwei Stationen („Wasserkuppe 6—7") der Fulda" [= in the spring region of a secondary mountain brook („Schluchtquelle" and spring region of the „Langen brook") in the Wasserkuppe . . . from two stations („Wasserkuppe 6—7") of the Fulda]. — Distr.: **NE**: U.S.A. (North Carolina, South Carolina); **PA**: Austria, Denmark, Faroe Islands, Finland, France, Germany, Great Britain, Italy, Luxembourg, Norway, Poland, Russia (NET, Far East), Spain.

fittkaui SCHLEE, 1968: *Annales Zoologici Fennici* **5**: 135 (*Corynoneura*). Type-locality: Not given. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

fortispicula WIEDENBRUG & TRIVINHO-STRIXINHO, 2011: *Zootaxa* **2822**: 2 (*Corynoneura*). Type-locality: "BRAZIL, SP, Ubatuba, stream beside Ruínas da Lagoinha, 23°30.468´S, 45°11.923´W, 0 m a.s.l.". — Distr.: **NT**: Brazil.

fujiundecima SASA, 1985: *Research Report from the National Institute for Environmental Studies* **83**: 130 (*Corynoneura*). Type-locality: {Japan, Mount Fuji area} "on the southern shore of Lake Yamanaka". — Distr.: **PA**: Japan, Russia (Far East).

gratias SCHLEE, 1968: *Stuttgarter Beiträge zur Naturkunde* **180**: 26. Type-localities: "Schweden" [= Sweden]; [Germany] "Großen Plöner See"; "Schluensee"; "Schöhsee"; "Fränkischen Weiherland" [= Franconian lake country];"aus dem Schwartzwald . . . Windgfällweiher (etwa 950 m ü. N. N. . . . und . . . vom

Feldsee (etwa 1100 m ü. N. N." [= from the Black Forest . . . Windgfäll pond (about 950 metres above sea-level . . . and . . . from Feldsee (about 1100 metres above sea-level]. — Distr.: **PA**: China (Liaoning), Corsica, Czech Republic, Finland, France, Germany, Great Britain, Ireland, Norway, Russia (NET, Far East), Slovakia, Spain, Sweden.

gratias SCHLEE, 1968: *Annales Zoologici Fennici* **5**: 132, 135 (*Corynoneura*). Type-locality: Not given. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

gynocera TUISKUNEN, 1983: *Annales Entomologici Fennici* **49**(4): 100 (*Corynoneura*). Type-locality: "Finland: Le: Enontekiö (767:25)". — Distr.: **PA**: Finland.

hermanni WIEDENBRUG & TRIVINHO-STRIXINHO, 2011: *Zootaxa* **2822**: 7 (*Corynoneura*). Type-locality: "BRAZIL, SP, Ubatuba, stream beside Ruínas da Lagoinha, 23°30.468´S, 45°11.923´W, 0 m a.s.l.". — Distr.: **NT**: Brazil.

hirvenojai SUBLETTE & SASA, 1994: *Spixiana Supplement* **20**: 12 (*Corynoneura*). Type-locality: {Guatemala} "Medio Monte, small waterfall". — Distr.: **NT**: Guatemala.

imperfecta (SKUSE, 1889): *Proceedings of the Linnaean Society of New South Wales* (2) **4**: 307 (*Ceratopogon*). Type-locality: {Australia} "Middle Harbour, near Sydney". — Distr.: **AU**: Australia (New South Wales).

inawapequea SASA, KITAMI & SUZUKI, 2000: *Memoirs of the Museum of Dr. Hideyo Noguchi*: 21 (*Corynoneura*). Type-locality: [Japan] [Title, p. 2] "Lake Inawashiro, Fukishima Prefecture". — Distr.: **PA**: Japan.

incidera HAZRA & CHAUDHURI in HAZRA, NATH & CHAUDHURI, 2003: *Entomologist's Monthly Magazine* **139**: 73 (*Corynoneura*). Type-locality: {India} "Sikkim: Jorethang". — Distr.: **OR**: India (Sikkim).

inefligiata FU, SÆTHER & WANG, 2009: *Zootaxa* **2287**: 13 (*Corynoneura*). Type-locality: "P. R. CHINA: Liaoning Province, Kuandian County, 40°45'N, 124°46'E, alt. 400–1336 m". — Distr.: **PA**: China (Liaoning).

isigaheia SASA & SUZUKI, 2000: *Tropical Medicine* **42**(1): 10 (*Corynoneura*). Type-locality: {Japan} [p. 4] "Ishigaki Island"; [p. 10] "on Mount Omotodake". — Distr.: **OR**: Japan (Ryukyu Archipelago).

kadalinka MAKARCHENKO & MAKARCHENKO, 2010: *Evraziatskii Entomologicheskii Zhurnal* **9**(3): 360 (*Corynoneura*). Type-locality: {Russia} **Zabaikal′skii krai, r. Kadalinka, bass. r. Amur** [= Zabaykalsky Krai, River Kadalinka, basin of the River Amur]. — Distr.: **PA**: Russia (Far East).

kedrovaya MAKARCHENKO & MAKARCHENKO, 2006: *Evraziatskii Entomologicheskii Zhurnal* **5**(2): 152 (*Corynoneura*). Type-locality: {Russia, Far East} **Primorskii kr., Khasanskii r-n, okr. zapovednik «Kedrovaya pad'», r. Kedrovaya** [= Primorsky Krai, Khasansky District, in the vicinity of «Kedrovaya Pad'» Nature Reserve, River Kedrovaya]. — Distr.: **NE**: Canada (Northwest Territories); **PA**: Russia (Far East).

kibunelata SASA, 1989: *Research Report Toyama Prefectural Environmental Pollution Research Center* **1989**: 61 (*Corynoneura*). Type-localities: {Japan} "at St. B and C of Kibune River". — Distr.: **PA**: Japan, Russia (Far East).

kibunespinosa SASA, 1989: *Research Report Toyama Prefectural Environmental Pollution Research Center* **1989**: 60 (*Corynoneura*). Type-locality: {Japan} "at St. C. of Kibune River". — Distr.: **PA**: Japan.

kisogawa SASA & KONDO, 1993: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1993**: 102 (*Corynoneura*). Type-locality: [Japan] [p. 98] "AT BISAI ON THE SIDE OF KISO RIVER". — Distr.: **PA**: Japan.

korema FU, SÆTHER & WANG, 2009: *Zootaxa* **2287**: 19 (*Corynoneura*). Type-locality: "P. R. CHINA: Hainan Province, Bawangling County, 19°5'N, 109°8'E, alt. 350–1438 m". — Distr.: **OR**: China (Hainan).

lacustris EDWARDS, 1924: *Entomologist's Monthly Magazine* **60**: 187 (*Corynoneura* (*Corynoneura*)). Type-locality: [Great Britain] "Correin Lochan, Arran". — Distr.: **NE**: Canada (Manitoba, Northwest Territories, Ontario), U.S.A. (South

Carolina); **PA**: Austria, Balearic Islands, Corsica, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Faroe Islands, Finland, France, Germany, Great Britain, Greece, Ireland, Italy, Morocco, Netherlands, Norway, Portugal, Romania, Russia (CET, NET, Far East), Spain, Sweden, Switzerland, Turkey.

lahuli SINGH & MAHESHWARI, 1987: *Annals of Entomology* **5**(2): 14 (*Corynoneura*). Type-locality: "India : Himachal Pradesh, Northwest Himalaya, Lahul Valley, Chandertal Lake, 4,270 m. above m.s.l.". — Distr.: **OR**: India (Himachal Pradesh).

latusatra FU, SÆTHER & WANG, 2009: *Zootaxa* **2287**: 21 (*Corynoneura*). Type-locality: "P. R. CHINA: Guizhou Province, Daozhen County, Dashahe, 29°00'–29°13'N, 107°22'–107°48'E, alt. 1.300–1.900 m". — Distr.: **OR**: China (Guizhou).

lobata EDWARDS, 1924: *Entomologist's Monthly Magazine* **60**: 186 (*Corynoneura* (*Corynoneura*)). Type-locality: [Great Britain] "Radwell, Herts." [Herts. = Hertfordshire]. — Distr.: **NE**: Canada (Alberta, New Brunswick, Northwest Territories, Ontario), U.S.A. (Florida, Georgia, Michigan, Mississippi, New Jersey, New York, North Carolina, Ohio, South Carolina, Virginia); **PA**: Algeria, Austria, Balearic Islands, Belgium, China (Liaoning, Ningxia), Corsica, Denmark, Estonia, Faroe Islands, Finland, France, Germany, Great Britain, Greece, Ireland, Italy, Japan, Lebanon, Luxembourg, Macedonia, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET, Far East), Slovakia, Spain, Sweden, Switzerland, Turkey; **OR**: China (Sichuan).

taris ROBACK, 1957: *Monographs of the Academy of Natural Sciences of Philadelphia* **9**: 61 (*Corynoneura* (*Corynoneura*)). Type-locality: [U.S.A.] "Mount Misery Creek, southeast of Mount Misery, N. J." [N. J. = New Jersey].

longipennis TOKUNAGA, 1936: *Tenthredo* **1**(1): 50 (*Corynoneura* (*Corynoneura*)). Type-locality: "Japan (Honshu) . . . Uzumasa, Kyoto". — Distr.: **PA**: **?**Finland, Japan.

macdonaldi FU, SÆTHER & WANG, 2009: *Zootaxa* **2287**: 23 (*Corynoneura*). Type-locality: "P. R. CHINA: Sichuan Province, Ganzi State, Yajiang County, 31°38'N, 99° 58'E, alt. 2000m". — Distr.: **OR**: China (Sichuan).

magna BRUNDIN, 1949: *Reports from the Institute of Freshwater Research, Drottningholm* **30**: 833 (*Corynoneura*). Type-locality: [Sweden] "See Skären bei Aneboda" [= Lake Skären at Aneboda]. — Distr.: **PA**: Finland, Sweden.

makarchenkorum KRASHENINNIKOV, 2012: *Evraziatskii Entomologicheskii Zhurnal* **11**(1): 83 (*Corynoneura*). Type-locality: {Russia, Middle Urals) **Permskii krai: Suksunskii raion, ozero v poime r. Sylva okolo s. Sasykovo, N57°10258,93, E57°27255,43, h-140 m n.u.m.** [= Perm Krai: Suksunsk District, lake in the flood plain of the River Sylva near the village of Sasykovo, N57°10258,93, E57°27255,43, altitude 140 metres above sea level]. — Distr.: **PA**: Russia (CET).

marina KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 43 (*Corynoneura*). Type-locality: [Germany, Schleswig-Holstein] "Voltigeant au-dessus de la mer Baltique" [= Flying over the Baltic Sea]. — Distr.: **PA**: Germany. [**Note**].

mediaspicula WIEDENBRUG & TRIVINHO-STRIXINHO, 2011: *Zootaxa* **2822**: 12 (*Corynoneura*). Type-locality: "BRAZIL, SP, São Paulo, Parque Estadual do Jaraguá, stream near playground". — Distr.: **NT**: Brazil.

medicina FU, SÆTHER & WANG, 2009: *Zootaxa* **2287**: 25 (*Corynoneura*). Type-locality: "P. R. CHINA: Sichuan Province, Emeishan County, Medicine School, 29°21'N, 103°17'E, alt. 1.500 m". — Distr.: **OR**: China (Sichuan).

mineira WIEDENBRUG & TRIVINHO-STRIXINHO, 2011: *Zootaxa* **2822**: 17 (*Corynoneura*). Type-locality: "BRAZIL, MG, Paraisópolis, Distrito dos Costa, 22°39´54.81"S, 45°55´38.29"W, approx. 1370 m a.s.l.". — Distr.: **NT**: Brazil.

nankaiensis FU, SÆTHER & WANG, 2009: *Zootaxa* **2287**: 27 (*Corynoneura*). Type-locality: "CHINA: Tianjin City, Nankai University, 39°8'N, 117°1'E, alt. 2–5m". — Distr.: **PA**: China (Tianjin).

nasuticeps HAZRA & CHAUDHURI in HAZRA, NATH & CHAUDHURI, 2003: *Entomologist's Monthly Magazine* **139**: 76 (*Corynoneura*). Type-locality: {India} "West Bengal: Tiger Hill". — Distr.: **OR**: India (West Bengal).

oxfordana BOESEL & WINNER, 1980: *Journal of the Kansas Entomological Society* **53**(3): 505 (*Corynoneura*). Type-locality: [U.S.A.] "Oxford, Ohio". — Distr.: **NE**: U.S.A. (Michigan, Ohio).

postcinctura (TOKUNAGA, 1964): *Insects of Micronesia* **12**(5): 533 (*Smittia*). Type-locality: [Belau] "Melekeiok, Babelthuap I., Palau". — Distr.: **AU**: Belau. [**Note**]

prima MAKARCHENKO & MAKARCHENKO, 2006: *Evraziatskii Entomologicheskii Zhurnal* **5**(2): 154 (*Corynoneura*). Type-locality: {Russia, Far East} **o-v Sakhalin, Tymovskii r-n, r. Tym′ v r-ne pos. Voskresenovka** [= Sakhalin Island, Tymovsky District, River Tym′ in the settlement district of Voskresenovka]. — Distr.: **NE**: Canada (Northwest Territories); **PA**: **?**Madeira, Russia (NET, Far East).

prominens FU, SÆTHER & WANG, 2009: *Zootaxa* **2287**: 28 (*Corynoneura*). Type-locality: "P. R. CHINA: Jiangxi Province, Wuyi Mountain, 27°28'N, 118°1'E, alt. 400 m". — Distr.: **OR**: China (Hunan, Jiangxi, Sichuan).

schleei MAKARCHENKO & MAKARCHENKO, 2010: *Evraziatskii Entomologicheskii Zhurnal* **9**(3): 363 (*Corynoneura*). Type-locality: {Russia} **Khabrovskii krai, Khabarovskii r-n, Bol′shekhekhtsirskii zapovednik, r. Belaya Rechka (bassein r. Amur** [= Khabarovsk Krai, Khabarovsk District, Bol′shekhekhtsirsk Nature Reserve, River Belaya Rechka (basin of the River Amur)]. — Distr.: **PA**: Russia (Far East).

scutellata WINNERTZ, 1846: *Stettiner Entomologische Zeitung* **7**(1): 13 (*Corynoneura*). Type-locality: [p. 11, Introduction] "europäischen" [= European] [Neotype designated in Hirvenoja & Hirvenoja, 1988: *Spixiana Supplement* **14**: 219]. — Distr.: **NT**: Argentina, Chile; **NE**: Canada (Northwest Territories, Nunavut, Ontario, Saskatchewan), Greenland, U.S.A. (**?**Florida, Michigan, New York, Ohio); **PA**: Algeria, Austria, Belgium, Bulgaria, China (Tianjin), Czech Republic, Croatia, Denmark, Estonia, Finland, France, Germany, Great Britain, Greece, Hungary, Ireland, Italy, Japan, Lebanon, Lithuania, Luxembourg,

Macedonia, Moldova, Mongolia, Netherlands, Norway, Novaya Zemlya, Poland, Romania, Russia (CET, NET, SET, East Siberia, Far East, West Siberia), Slovakia, Spain, Sweden, Switzerland, Syria, Turkey; **OR**: China (Fujian, Yunnan, Zhejiang); **AU**: Australia (Victoria, Western Australia), New Zealand (North Island).

lemnae FRAUENFELD & SCHINER in FRAUENFELD, 1867: *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen)* **16**(4): 974 (*Corynoneura*). Type-locality: Not given [determined as Vienna, Austria] [Lectotype designated in Hirvenoja & Hirvenoja, 1988: *Spixiana Supplement* **14**: 219]. [**Note**]

innupta EDWARDS, 1919: *Annals and Magazine of Natural History* (9) **3**: 226 (*Corynoneura*). Type-localities: [Great Britain] "Letchworth district of Hertfordshire"; "lakeside at Radwell, Herts" [Herts = Hertfordshire] [Lectotype designated in Hirvenoja & Hirvenoja, 1988: *Spixiana Supplement* **14**: 221, [Great Britain] "Letchworth, Hertfordshire, England"].

donovani FORSYTH, 1971: *Journal of the Royal Society of New Zealand* **1**(2): 121 (*Corynoneura*). Type-locality: {New Zealand} "Piriaka, Taumarunui, altitude 210m".

secunda MAKARCHENKO & MAKARCHENKO, 2006: *Evraziatskii Entomologicheskii Zhurnal* **5**(2): 156 (*Corynoneura*). Type-locality: {Russia, Far East} **o-v Sakhalin, Tymovskii r-n, r. Tym′ v r-ne pos. Voskresenovka** [= Sakhalin Island, Tymovsky District, River Tym′ in the settlement district of Voskresenovka]. — Distr.: **PA**: Russia (Far East).

seiryuresea SASA, SUZUKI & SAKAI, 1999: *Tropical Medicine* **40**(3): 123 (*Corynoneura*). Type-locality: [Abstract, p. 99] "Shimanto River, western Shikoku Island, Japan"; [p. 123] "Ekawasaki". — Distr.: **PA**: Japan.

septadentata WIEDENBRUG & TRIVINHO-STRIXINHO, 2011: *Zootaxa* **2822**: 21 (*Corynoneura*). Type-locality: "BRAZIL, SP, São Paulo, Parque Estadual do Jaraguá, stream near playground". — Distr.: **NT**: Brazil.

sertaodaquina WIEDENBRUG & TRIVINHO-STRIXINHO, 2011: *Zootaxa* **2822**: 26 (*Corynoneura*). Type-locality: "BRAZIL, SP, Ubatuba, Sertão da Quina, Cachoeira da Renata upstream, 23°30.789′S, 45°14.442′W, 61 m a.s.l.". — Distr.: **NT**: Brazil.

sorachibecea SASA & SUZUKI, 2001: *Tropical Medicine* **43**(1/2): 7 (*Corynoneura*). Type-locality: {Hokkaido, Japan} "at the side of Sorachi River". — Distr.: **PA**: Japan.

sundukovi MAKARCHENKO & MAKARCHENKO, 2010: *Evraziatskii Entomologicheskii Zhurnal* **9**(3): 353 (*Corynoneura*). Type-locality: {Russia} **Primorskii kr., Lazovskii r-n, okr. pos. Sokolovka, ust′e r. Sokolovka** [= Primorsky Krai, Lazovsky District, vicinity of the town of Sokolovka, mouth of the River Sokolovka]. — Distr.: **PA**: Russia (Far East).

tenuistyla TOKUNAGA, 1936: *Tenthredo* **1**(1): 44 (*Corynoneura* (*Corynoneura*)). Type-locality: "Japan (Honshu) . . .Yodo, Kyoto". — Distr.: **PA**: Japan, Russia (Far East).

tertia MAKARCHENKO & MAKARCHENKO, 2010: *Evraziatskii Entomologicheskii Zhurnal* **9**(3): 353 (*Corynoneura*). Type-locality: {Russia} **Primorskii kr., Khasanskii r-n, zapovednik «Kedrovaya Pad′», r. Kedrovaya** [= Primorsky Krai, Khasansky District, «Kedrovaya Pad′» Nature Reserve, River Kedrovaya]. — Distr.: **PA**: Russia (Far East).

tokarapequea SASA & SUZUKI, 1995: *Japanese Journal of Sanitary Zoology* **46**(3): 282 (*Corynoneura*). Type-locality: {Tokara Islands, Japan} "Nakanoshima Island". — Distr.: **OR**: Japan (Ryukyu Archipelago), Russia (Far East).

tokaraquerea SASA & SUZUKI, 1995: *Japanese Journal of Sanitary Zoology* **46**(3): 282 (*Corynoneura*). Type-locality: {Tokara Islands, Japan} "Nakanoshima Island". — Distr.: **OR**: Japan (Ryukyu Archipelago).

unicapsulata WIEDENBRUG & TRIVINHO-STRIXINHO, 2011: *Zootaxa* **2822**: 30 (*Corynoneura*). Type-locality: "BRAZIL, SP, São Paulo, Parque Estadual do Jaraguá, stream near playground". — Distr.: **NT**: Brazil.

vittalis TOKUNAGA, 1936: *Tenthredo* **1**(1): 45 (*Corynoneura* (*Corynoneura*)). Type-

locality: "Japan (Honshu) . . . Kitashirakawa, Kyoto". — Distr.: **PA**: Japan.

yoshimurai TOKUNAGA, 1936: *Tenthredo* **1**(1): 46 (*Corynoneura* (*Corynoneura*)). Type-locality: "Japan (Honshu) . . . Kitashirakawa, Kyoto". — Distr.: **PA**: China (Tibet), Japan; **OR**: China (Sichuan).

sp.: HARDY, 1960: *Insects of Hawaii* **10**: 123 (*Corynoneura*). Localities: {Hawaiian Islands} "Ewa, Oahu"; "Kokee, Kauai . . . "on nasturtiums in bog," 4,000 ft". — Distr.: **OC**: Hawaiian Islands (Kauai. Oahu).

"n. sp. near *lacustris* Edw.": SÆTHER, 1981: *Entomologica Scandinavica Supplement* **16**: 40 (*Corynoneura*). Locality: "St. Vincent". — Distr.: **NT**: St. Vincent.

sp.: ASHE, 1990: *Insects and the rain forests of South East Asia (Wallacea)*: 267 (*Corynoneura*). Locality: {Indonesia} "Sulawesi". — Distr.: **OR**: Indonesia (Sulawesi).

sp.: OSPINA-TORRES, RISS & RUIZ, 1999: *Insectos de Colombia* II: 375, 380 (*Corynoneura*). Locality: {Colombia} "Sabana de Bogotá". — Distr.: **NT**: Colombia.

sp. 1: HAASE & NOLTE, 2008: *Ecological Indicators* **8**(5): 607 (*Corynoneura*). Locality: [Title] "streams in southeast Queensland, Australia". — Distr.: **AU**: Australia (Queensland).

Nomina dubia in CORYNONEURA

arcuata KIEFFER, 1911: *Bulletin de la Société Entomologique de France* **1911**: 201 (*Corynoneura*). Type-locality: Not given ‖ ►Type-locality: [Germany] "auf der Fülbecketalsperre" [= from the Fülbeck Dam] in Thienemann, 1911: *Landwirtschaftliche Jahrbücher* **41**: 638◄‖.

atomaria (ZETTERSTEDT, 1850): *Diptera Scandinaviæ disposita et discripta* **9**: 3522 (*Chironomus*). Type-locality: [Sweden] "in Jemtlandia boreali ad alpem Åreskutan" [= in northern Jämtland at Åreskutan mountain]. [**Note**]

austriaca KIEFFER in ALBRECHT, 1924: *Verhandlungen der Internationalen Vereinigung für theoretiische und angewandte Limnologie* **2**: 196 (*Corynoneura*). Type-

locality: [Austria] [Title, p. 183] "Mittersees bei Lunz (Nieder-Oesterreich)" [= 'Middle Lake' near Lunz (Province of Lower Austria)].

bitensis KIEFFER, 1906: *Annales de la Sociétés Scientifique de Bruxelles, 2e partie (Mémoires)* **30**: 328 (*Corynoneura*). Type-locality: [France] "Bitche".

bitensis KIEFFER, 1906: *Genera Insectorum* **42**: 10 (*Corynoneura*). Locality: [France] "Lorraine". Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

brevipalpis KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1re partie (Comptes Rendus)* **44**: 565 (*Corynoneura*). Type-locality: "Allemagne" [= Germany].

brevipennis GOETGHEBUER, 1935: *Encyclopédie Entomologique, B-II, Diptera* **8**: 11 (*Corynoneura*). Type-locality: [Switzerland] "dans le Röserenbach" [= in the Röserenbach].

brevistylus KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1re partie (Comptes Rendus)* **44**: 565 (*Corynoneura*) (*Corynoneura*). Type-locality: "Allemagne" [= Germany].

conjungens KIEFFER, 1911: *Bulletin de la Société Entomologique de France* **1911**: 201 (*Corynoneura*). Type-locality: Not given ‖►Type-localities: [Germany] "in einem Vorteich der Fülbecketalsperre" [= in a pool in front of the Fülbeck Dam]; "im Bruthaus der Königlichen Forellenzuchtanstalt zu Fürstenberg i. W." [= in the hatchery of the Royal trout rearing facility of Fürstenberg in Westphalia]; "Münster i. W." [= Münster in Westphalia] in Thienemann, 1911: *Landwirtschaftliche Jahrbücher* **41**: 638◄‖.

duodenaria KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1re partie (Comptes Rendus)* **44**: 565 (*Corynoneura* (*Bauseia*)). Type-locality: [Poland] "Silésie" [= Silesia].

fasciata KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1re partie (Comptes Rendus)* **44**: 564 (*Corynoneura*; as var. of *clavicornis* Kieffer, 1925). Type-

locality: [Germany] "Bavière" [= Bavaria]. [**Note**]

fusciclava KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1re partie (Comptes Rendus)* **44**: 564 (*Corynoneura*). Type-locality: "Allemagne" [= Germany].

? *fuscihalter* EDWARDS, 1929: *Transactions of the Entomological Society of London* **77**: 369 (*Corynoneura* (*Corynoneura*)). Type-locality: [Great Britain] "Epping Forest". **Questionable synonym**.

heterocera KIEFFER, 1915: *Brotéria, Série Zoológica* **13**: 87 (*Corynoneura*). Type-locality: [Germany] "Schwaben" [= Swabia].

kiefferi GOETGHEBUER in GOETGHEBUER & LENZ, 1939: *Die Fliegen der Palaearktischen Region* **13f**: 11 (*Corynoneura* (*Corynoneura*); as "*Kiefferi*"; as nom. nov. for *Corynoneura clavicornis* Kieffer, 1925, nec *Corynoneura clavicornis* Kieffer, 1911).

clavicornis KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1re partie (Comptes Rendus)* **44**: 564 (*Corynoneura*). Type-localities: "Allemagne" [= Germany]; "Autriche" [= Austria]. **Preoccupied**. Junior primary homonym of *Corynoneura clavicornis* Kieffer, 1911 (now a valid species of *Thienemanniella* Kieffer, 1911).

longistylus KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1re partie (Comptes Rendus)* **44**: 563 (*Corynoneura*). Type-localities: "France"; "Allemagne" [= Germany].

? *ocularis* KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1re partie (Comptes Rendus)* **44**: 563 (*Corynoneura*; as var. of *longistilus* Kieffer, 1925). Type-locality: [Czech Republic] "Bohême". **Questionable synonym**.

minuta WINNERTZ, 1846: *Stettiner Entomologische Zeitung* **7**(1): 13 (*Corynoneura*). Type-locality: "Aus hiesiger Gegend" [= from this region (author's address), i.e. Crefeld, Germany]. [**Note**]

minutissimus (MEIGEN, 1838): *Systematische Beschreibung* **7**: 8 (*Chironomus*). Type-locality: [Title] "europäischen" [= European].

nupharis KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1re partie (Comptes Rendus)* **44**: 564 (*Corynoneura*). Type-locality: "Allemagne" [= Germany]. [**Note**]

pumila WULP, 1875: *Tijdschrift voor Entomologie* **17**(5): 137 (*Corynoneura*). Type-locality: [Netherlands] "den Haag" [= Den Haag].

seychellensis KIEFFER, 1911: *Transactions of the Linnean Society of London (2nd Series, Zoology)* **14**: 363 (*Corynoneura*). Type-locality: "Seychellen. Mahé: Cascade Estate, about 800—1500 feet".

tyrolensis KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1re partie (Comptes Rendus)* **44**: 565 (*Corynoneura*). Type-locality: [Austria] "Tyrol".

validicornis KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1re partie (Comptes Rendus)* **44**: 565 (*Corynoneura*). Type-locality: [Czech Republic] "Bohême"

vulgaris KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1re partie (Comptes Rendus)* **44**: 564 (*Corynoneura*). Type-localities: "France"; "Allemagne" [= Germany].

Genus **CORYNONEURELLA** BRUNDIN

CORYNONEURELLA BRUNDIN, 1949: *Reports from the Institute of Freshwater Research, Drottningholm* **30**: 830. Type-species: *Corynoneurella paludosa* Brundin, 1949, by original designation.

afra (LEHMANN, 1981): *Spixiana Supplement* **5**: 22 (*Thienemanniella*). Type-locality: [Democratic Republic of the Congo] "Simisimi-Bach, Kisangani, Zaire". — Distr.: **AF**: D.R.Congo. [**Note**]

paludosa BRUNDIN, 1949: *Reports from the Institute of Freshwater Research, Drottningholm* **30**: 830 (*Corynoneurella*). Type-locality: [Sweden] "See Östra Vontjärn im Kälarne-Gebiet in Jämtland" [Lake Östra Vontjärn in the Kälarne region in Jämtland]. — Distr.: **PA**: Corsica, Finland, France, Germany, Great Britain, Ireland, Morocco, Spain, Sweden.

Genus **CRICOTOPUS** WULP

CRICOTOPUS WULP, 1874: *Tijdschrift voor Entomologie* **16**: LXX, LXXI. Type-species: *Chironomus tibialis* Meigen, 1804, by subsequent designation of Coquillett (1910: *Proceedings of the United States National Museum* **37**: 528). Senior homonym of *Cricotopus* Wulp, 1874 (below). [**Note**]

CRICOTOPUS WULP, 1875: *Tijdschrift voor Entomologie* **17**(5): 132. Type-species: *Chironomus tibialis* Meigen, 1804, by subsequent designation of Coquillett (1910: *Proceedings of the United States National Museum* **37**: 528). **Preoccupied**. Junior homonym of *Cricotopus* Wulp, 1875 (above).

EUCRICOTOPUS THIENEMANN, 1936: *Archiv für Hydrobiologie* **30**(2): 200. Type-species: *Cricotopus brevipalpis* Kieffer, 1909, by monotypy. Synonymized with *Cricotopus* Wulp, 1874, by Hirvenoja (1973: *Annales Zoologici Fennici* **10**: 253).

CRICOTOPUS WULP, 1874: see below as subgenus.

ISOCLADIUS KIEFFER, 1909: see below as subgenus.

MAURIUS LEHMANN, 1981: see below as subgenus.

NOSTOCOCLADIUS ASHE & MURRAY, 1980: see below as subgenus.

PSEUDOCRICOTOPUS NISHIDA, 1987: see below as subgenus.

Subgenus **CRICOTOPUS** WULP

abanus CURRAN, 1929: *American Museum Novitates* **339**: 1 (*Cricotopus*; originally as "*Cricotopus abana*"). Type-locality: "Birtle, Manitoba, Canada". — Distr.: **NE**: Canada (British Columbia, Manitoba).

aberrans JOHANNSEN, 1938: *Journal of Agriculture of the University of Puerto Rico* **22**: 220 (*Cricotopus*). Type-locality: "Tanamá River, Puerto Rico". — Distr.: **NT**: Puerto Rico.

absurdus (JOHANNSEN, 1905): *Bulletin of the New York State Museum* **86**: 277 (*Orthocladius*). Type-locality: [U.S.A.] "Ithaca N. Y." [N. Y. = New York]. — Distr.: **NE**: U.S.A. (Arkansas, Florida, Georgia, New Mexico, New York, North Carolina, Ohio).

adentatus HIRVENOJA, 1986: *Spixiana Supplement* **11**: 161 (*Cricotopus* (*Cricotopus*)). Type-locality: "Lake Gangabhal, 3580 m, Kashmir, India". — Distr.: **OR**: India (Jammu and Kashmir).

albiforceps (KIEFFER in THIENEMANN & KIEFFER, 1916): *Archiv für Hydrobiologie Supplement* **2**(3): 533 (*Trichocladius*). Type-locality: {Sweden} [note, bottom of p. 534] "in Jönköping am Ufer des Vättern" [= in Jönköping on the shore of Vättern]. — Distr.: **NE**: U.S.A. (North Carolina); **PA**: Austria, Belgium, Bosnia and Herzegovina, Corsica, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, **?**Latvia, Luxembourg, Morocco, Netherlands, Poland, Romania, Russia (CET, Far East), Slovakia, Spain, Sweden, Switzerland, Turkey.

bicinctellus GOETGHEBUER, 1921: *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 171 (*Cricotopus*). Type-locality: {Belgique} "à Virton" [Belgique = Belgium].

? *unifaciatus* (MACQUART, 1826): *Recueil des Travaux de la Société d'Amateurs des Sciences, de l'Agriculture et des Arts de Lille* **1823-1824**: 204 (*Chironomus*). Type-locality: [Title] "Nord de la France" [= northern France]. **Questionable synonym**.

? *microsandalum* (KIEFFER, 1921): *Annales de la Société Scientifique de Bruxelles, 2e partie (Mémoires)* **40**: 293 (*Trichocladius*). Type-locality: [Latvia] [p. 275] "environs de Libau, en Courlande" [= vicinity of Libau (now Liepaja), in Courland (now Kurzeme)]. **Questionable synonym**.

albitibia (WALKER, 1848): *List of the Specimens of Dipterous Insects*: 16 (*Chironomus*). Type-locality: "Sierra Leone". — Distr.: **AF**: Burkina Faso, Cameroon, Chad, D.R.Congo, Ethiopia, Madagascar, Niger, Nigeria, Sierra Leone; South Africa, Uganda, Zimbabwe.

albitibia: **Not Australasian**; **Not Oceanian**.

plumbeus GOETGHEBUER, 1934: *Revue de Zoologie et de Botanique Africaines* **25**: 201 (*Cricotopus*; as var. of *bicinctus* Meigen, 1818). Type-locality: [Democratic

Republic of the Congo] {Congo Belge} "à Katana (Kivu)".

? *kribiensis* (KIEFFER, 1923): *Annales de la Société Entomologique de France* **92**: 184 (*Trichocladius*). Type-locality: "Cameroun : Kribi" [Cameroun = Cameroon]. **Questionable synonym**. [**Note**]

algarum (KIEFFER, 1911): *Bulletin de la Société Entomologique de France* **1911**: 186 (*Trichocladius*). Type-locality: Not given ‖►Type-locality: [Austria] "Mittersee", in Albrecht, 1924: *Verhandlungen der Internationalen Vereinigung für theoretiische und angewandte Limnologie* **2**: 188 (in footnote)◄‖. Senior primary homonym of *Trichocladius algarum* Kieffer, 1918. — Distr.: **PA**: Austria, Bulgaria, Czech Republic, Denmark, Estonia, France, Germany, Hungary, Italy, Kaliningrad, Lithuania, Macedonia, Mongolia, Poland, Romania, Russia (CET, NET, SET, East Siberia), ¶Yugoslavia.

lambertoni (POTTHAST, 1914): *Archiv für Hydrobiologie Supplement* **2**(2) [Preprint]: 305 (*Trichocladius*; as "*Lambertoni*"). Type-locality: [Austria] "Lunzer Untersee" [= 'Lower Lake' at Lunz]. Senior primary homonym of *Trichocladius lambertoni* Kieffer, 1923 (below). [**Note**]

lambertoni (KIEFFER, 1923): *Annales de la Société Scientifique de Bruxelles, 2e partie (Mémoires)* **42**: 160 (*Trichocladius*; as "*Lambertoni*"). Type-locality: [Germany, Rheinland] "Rhénanie : Eifel" [error = [Austria] "Lunzer Untersee" [= 'Lower Lake' at Lunz] as given in Potthast, 1914: *Archiv für Hydrobiologie Supplement* **2**(2) [Preprint]: 305 (above)]. **Preoccupied**. Junior primary homonym and synonym of *Trichocladius lambertoni* Potthast, 1914 (above).

annulator GOETGHEBUER, 1927: *Bulletin et Annales de la Société Entomologique de Belgique* **67**(1/2): 54 (*Cricotopus*). Type-localities: {Belgique} "Falaën (Calc.)"; "Virton (Juras.)" [Belgique = Belgium]. — Distr.: **NE**: Canada (Newfoundland and Labrador, Northwest Territories, Ontario), U.S.A. (Arizona, California, Colorado, Georgia, New Mexico, Ohio, South Carolina); **PA**: Algeria, Andorra, Austria, Balearic Islands, Belgium, Bulgaria, Canary Islands, China (Henan), Corsica, Denmark, Estonia, Finland, France, Germany, Great

Britain, Hungary, Ireland, Italy, Lebanon, Luxembourg, Mongolia, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET, Far East), Slovakia, Spain, Sweden, Switzerland, Syria, Turkey, Ukraine. [**Note**]

subcoeruleus EDWARDS, 1929: *Transactions of the Entomological Society of London* **77**: 323 (*Cricotopus*; as var. of "*motitator* (L.)" [= *motatrix* Linnaeus, 1758]). Type-localities: [Great Britain] "Dovedale"; "Sidmouth"; "Dartmouth". [**Note**]

subcoerulescens: incorrect subsequent spelling.

bituberculatus GOETGHEBUER, 1934: *Bulletin et Annales de la Société Entomologique de Belgique* **74**(10): 345 (*Cricotopus*). Type-locality: [Germany] "Larves dans un ruisseau, à une altitude de 900 m. (G.-P.)" [= Larvae in a stream at an altitude of 900 metres (Garmisch-Partenkirchen)]. Senior primary homonym of *Cricotopus bituberculatus* Tokunaga, 1940 – the latter is a synonym of *Cricotopus* (*Cricotopus*) *tokunagaia* Hirvenoja, 1973.

nigroscutellatus GOETGHEBUER in SCHMÖLZER, 1962: *Mitteilungen aus dem Zoologischen Museum in Berlin* **38**(2): 212 (*Cricotopus*). Type-locality: [Austria] "Kalkjoch (2250 m)".

irwini SUBLETTE & SUBLETTE, 1971: *Entomological News* **82**(4): 97 (*Cricotopus*). Type-locality: [U.S.A.] "Deep Canyon, Riverside County, California".

olivetus BOESEL, 1983: *Ohio Journal of Science* **83**(3): 88 (*Cricotopus*). Type-locality: [U.S.A.] "Put-in-Bay, OH" [OH = Ohio].

? *longicornis* (KIEFFER, 1921): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 93 (*Trichocladius*). Type-locality: [Poland] "Silésie" [= Silesia]. **Questionable synonym**.

? *truncatus* (KIEFFER, 1923): *Annales de la Société Scientifique de Bruxelles, 2e partie (Mémoires)* **42**: 158 (*Trichocladius*). Type-locality: [Germany] "Westphalie : Diemel". **Preoccupied**. Junior secondary homonym of *Cricotopus truncatus* Kieffer, 1913 – the latter is a synonym of *Cricotopus* (*Isocladius*) *trifasciatus* (Meigen, 1810). **Questionable synonym**.

? *bilobatus* (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle*

30: 86 (*Trichocladius*). Type-locality: [Germany] "Holstein". Senior secondary homonym of *Cricotopus bilobatus* Storå, 1939 – the latter is a questionable synonym of *Cricotopus* (*Cricotopus*) *polaris* Kieffer, 1926. **Questionable synonym**.

? *alpestris* GOETGHEBUER, 1941: *Bulletin du Musée Royal d'Histoire Naturelle de Belgique* **17**(37): 3 (*Cricotopus*). Type-locality: [Austria] "Alpes tyroliennes, à 2.423 m. d'alt." [= Tyrolean Alps, at an altitude of 2,423 metres]. **Questionable synonym**.

annuliventris (SKUSE, 1889): *Proceedings of the Linnaean Society of New South Wales* (2) **4**: 255 (*Orthocladius*). Type-localities: {Australia} "Blue Mountains"; "Sydney" [Lectotype designated in Freeman, 1961: *Australian Journal of Zoology* **9**(4): 646, {Australia} "Lawson, Blue Mountains, N.S.W." [N.S.W. = New South Wales]. — Distr.: **AU**: Australia (Australian Capital Territory, New South Wales, South Australia, Tasmania, Victoria).

asamaquartus (SASA & HIRABAYASHI, 1991): *Japanese Journal of Sanitary Zoology* **42**(2): 122 (*Eukiefferiella*). Type-locality: [Japan] [p. 117] "at Asama-Onsen, in the suburbs of Matsumoto City, Nagano Prefecture". — Distr.: **PA**: Japan.

aucklandensis SUBLETTE & WIRTH, 1980: *New Zealand Journal of Zoology* **7**: 313 (*Cricotopus*). Type-locality: {New Zealand} "Aukland Is, Adams I., Magnetic Bay (Cove)". — Distr.: **AU**: New Zealand (Auckland Islands, North Island).

baptistensis BOESEL, 1983: *Ohio Journal of Science* **83**(3): 87 (*Cricotopus*). Type-locality: {Canada} "Baptiste, Ont." [Ont. = Ontario]. — Distr.: **NE**: Canada (Ontario).

beckeri HIRVENOJA, 1973: *Annales Zoologici Fennici* **10**: 206 (*Cricotopus* (*Cricotopus*)). Type-locality: "Madeira". — Distr.: **PA**: Algeria, Corsica, **?**Finland, France, Greece, Lebanon, Madeira, Morocco, Slovakia, Spain.

beringensis OLIVER & DILLON, 1988: *Canadian Entomologist* **120**(5): 475 (*Cricotopus* (*Cricotopus*)). Type-locality: "UNITED STATES. Alaska: Prudhoe Bay, Deadhorse Carex Pond". — Distr.: **NE**: U.S.A. (Alaska); **PA**: Russia (Far East).

bicinctus (MEIGEN, 1818): *Systematische Beschreibung* **1**: 41 (*Chironomus*). Type-locality:

"Oesterreich" [= Austria]. — Distr.: **NT**: Mexico (Guerrero, Sinaloa); **NE**: Canada (Alberta, Manitoba, New Brunswick, Newfoundland and Labrador, Northwest Territories, Nunavut, Ontario, Saskatchewan, Yukon Territory), Mexico (Mexico State), U.S.A. (Alabama, Alaska, Arkansas, California, Florida, Georgia, Louisiana, Maine, Michigan, Minnesota, New Mexico, New York, North Carolina, Ohio, Pennsylvania, South Carolina, South Dakota, Tennessee); **PA**: Albania, Algeria, Austria, Balearic Islands, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, China (Gansu, Henan, Shandong, Tianjia), Croatia, Czech Republic, Denmark, Estonia, Faroe Islands, Finland, France, Germany, Great Britain, Greece, Hungary, Ireland, Italy, Japan, Kaliningrad, Lebanon, Lithuania, Luxembourg, Macedonia, Moldova, Mongolia, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET, SET, East Siberia, Far East), Serbia, Sicily, Slovakia, Slovenia, South Korea, Spain, Sweden, Switzerland, Syria, Tunisia, Turkey, Ukraine; **OR**: China (Fujian, Zhejiang); **OC**: Hawaiian Islands (Oahu).

dizonias (MEIGEN, 1830): *Systematische Beschreibung* **6**: 252 (*Chironomus*). Type-locality: [Title] "europäischen" [= European] [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 235].

bryophilus (POTTHAST, 1914): *Archiv für Hydrobiologie Supplement* **2**(2) [Preprint]: 304 (*Trichocladius*; as "*bryophila*"). Type-locality: [Germany] "Alfbach (Eifel) in *Fontinalis*". Senior homonym of *Trichocladius bryophilus* Kieffer, 1921 (below). [**Note**]

bryophilus (KIEFFER, 1921): *Archiv für Hydrobiologie Supplement* **2**(4): 800 (*Trichocladius*). Type-locality: [Germany] "Eifel: Alfbach". **Preoccupied**. Junior primary homonym and synonym of *Trichocladius bryophilus* Potthast, 1914 (above).

? *gibbosus* (MEIGEN, 1830): *Systematische Beschreibung* **6**: 252 (*Chironomus*). Type-locality: [Title] "europäischen" [= European]. **Questionable synonym**.

? *balticus* (KIEFFER, 1926): *Annales de la Société Scientifique de Bruxelles, 1re partie*

(Comptes Rendus) **45**: 102 (*Trichocladius*). Type-locality: [Germany, Schleswig-Holstein] "Voltigeant sur la mer Baltique" [= Flying on the Baltic Sea]. **Questionable synonym**.

bifascius TOKUNAGA, 1936: *Tenthedro* **1**(1): 20 (*Cricotopus*). Type-locality: "Japan (Honshu) . . . Uzumasa, Kyoto". — Distr.: **PA**: Japan.

bimaculatus TOKUNAGA, 1936: *Tenthedro* **1**(1): 27 (*Cricotopus*). Type-locality: "Japan (Honshu) . . . Hachijo, Kyoto". — Distr.: **PA**: Japan, Russia (Far East), South Korea; **OR**: Japan (Ryukyu Archipelago).

biwannulatus (SASA & KAWAI, 1987): *Lake Biwa Study Monographs* **3**: 39 (*Cricotopus*).Type-locality: [Introduction, p. 1] "Lake Biwa . . . in Japan, located in Shiga Prefecture, central Honshu, at about 35°N in latitude and 85 m in altitude". — Distr.: **PA**: Japan.

bizonatus FREEMAN, 1956: *Bulletin of the British Museum (Natural History)* Entomology **4**(7): 307 (*Cricotopus*). Type-locality: [South Africa] "NATAL: Weenen". — Distr.: **AF**: Ethiopia, South Africa, Togo, Zimbabwe. [**Note**]

blinni SUBLETTE in SUBLETTE, STEVENS & SHANNON, 1998: *Great Basin Naturalist* **58**(2): 107 (*Cricotopus* (*Cricotopus*)). Type-locality: {USA} Grand Canyon National Park, Coconino Co., AZ, Colorado River mile 144.0, 570 m elev" [AZ = Arizona; elev = elevation]. — Distr.: **NE**: U.S.A. (Arizona, California, Colorado, New Mexico).

breviantennatum ZELENTZOV, 2001: *Zoologicheskii Zhurnal* **80**(9): 1146 (*Cricotopus*). Type-locality: **Rossiya, Zapolyar′e Krasnoyarskogo krai, 5—6 km zapadnee g. Noril′ska, stantsiya Azharki, bliz ozera** [= Russia, polar part of Krasnoyarsk Krai, 5—6 km west of the city of Norilsk, Azharki station, near a lake]. — Distr.: **PA**: Russia (East Siberia, Far East).

brevilobus KAWAI & SASA, 1985: *Japanese Journal of Limnology* **46**(1): 16 (*Cricotopus*). Type-locality: [Title, p. 15] "Ohta River, Japan"; [p. 16] "at ST-9 (45 m) [= at Station 9 (45 metres)]. — Distr.: **PA**: Japan.

caducus HIRVENOJA, 1973: *Annales Zoologici Fennici* **10**: 251 (*Cricotopus* (*Cricotopus*)).

Type-locality: "Tvärminne, Südfinnland" [= Tvärminne, southern Finland]. — Distr.: **PA**: Croatia, Denmark, Finland, France, Great Britain, Greece, Lebanon, Norway, Portugal, Romania, Russia (SET), Spain, Turkey.

canditibia SÆTHER, 1981: *Entomologica Scandinavica Supplement* **16**: 11 (*Cricotopus* (*Cricotopus*)). Type-locality: "442 m a.s.l., below waterfall, Majorca, Yambou River, St. Vincent". — Distr.: **NT**: St. Vincent.

cingulatus (HUTTON, 1902): *Transactions and Proceedings of the New Zealand Institute* **34**: 184 (*Orthocladius*). Type-locality: {New Zealand} "Christchurch". — Distr.: **AU**: New Zealand (North Island, South Island).

conformis CURRAN, 1928: *Scientific Survey of Porto Rico and the Virgin Islands* **11**(1): 12 (*Cricotopus*). Type-locality: "Guane, Cuba". — Distr.: **NT**: Cuba, Puerto Rico.

coronatus HIRVENOJA, 1973: *Annales Zoologici Fennici* **10**: 222 (*Cricotopus* (*Cricotopus*)). Type-locality: "aus dem See Sompiojärvi, Sodankylä, Finnisch-Lappland" [= from Lake Sompiojärvi, Sodankylä, Finnish Lapland]. — Distr.: **NE**: Canada (Manitoba, Newfoundland and Labrador, Northwest Territories, Nunavut, Québec), U.S.A. (North Carolina); **PA**: Finland, Netherlands, Norway, Russia (NET), Sweden.

cumulatus HIRVENOJA, 1973: *Annales Zoologici Fennici* **10**: 146 (*Cricotopus* (*Cricotopus*)). Type-locality: "Nedre Midsommar Sö, Grönland" [Grönland = Greenland]. — Distr.: **NE**: Canada (Nunavut), Greenland; **PA**: Finland, Russia (Far East), Sweden.

curtus HIRVENOJA, 1973: *Annales Zoologici Fennici* **10**: 199 (*Cricotopus* (*Cricotopus*)). Type-locality: "aus der Fulda, Deutschland" [= from the Fulda, Germany]. — Distr.: **NE**: Canada (Saskatchewan), U.S.A. (New York); **PA**: **?**Albania, Algeria, Austria, Bulgaria, Corsica, Denmark, Estonia, France, Germany, Great Britain, Ireland, Italy, Lebanon, Luxembourg, Mongolia, Netherlands, Norway, Poland, **?**Portugal, Romania, Russia (CET, NET), Slovakia, Spain, Switzerland, Turkey.

cylindraceus (KIEFFER in KIEFFER & THIENEMANN, 1908): *Zeitschrift für*

Wissenschaftliche Insektenbiologie **4**: 8 (*Trichocladius*). Type-locality: [Germany] "Greifswald". — Distr.: **NE**: Canada (Manitoba, Saskatchewan), U.S.A. (New York); **PA**: Austria, Belgium, Finland, France, Germany, Great Britain, Hungary, Iceland, Ireland, Italy, Mongolia, Netherlands, Norway, Romania, Russia (NET, Far East), Slovakia, Spain, Turkey.

annulipes (GOETGHEBUER, 1921): *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 100 (*Trichocladius*; as var. of *nudipes* Goetghebuer, 1921). Type-locality: {Belgique} [p. 27] "à Tronchiennes" [Belgique = Belgium]. **Preoccupied**. Junior secondary homonym of *Cricotopus* (*Isocladius*) *annulipes* (Meigen, 1818), a questionable synonym of *Cricotopus* (*Isocladius*) *sylvestris* (Fabricius, 1794).

dentatus HIRVENOJA, 1986: *Spixiana Supplement* **11**: 163 (*Cricotopus* (*Cricotopus*)). Type-locality: "Khalsi, Ladakh, 3000 m, pasture with a brook, Kashmir, India". — Distr.: **OR**: India (Jammu and Kashmir).

elegans JOHANNSEN, 1943: *Entomological News* **54**(3): 78 (*Cricotopus*). Type-locality: [U.S.A.] "Huron River, Washtenaw Co., Michigan". — Distr.: **NE**: U.S.A. (Michigan, Ohio, Pennsylvania).

ephippium (ZETTERSTEDT, 1838): *Insecta Lapponica* [Heft 3]: 814 (*Chironomus*). Type-locality: "in Lapponia Umensi, ad Lycksele . . . (Lapponia Suecica)" [= in Umeå Lapland, at Lycksele . . . (Swedish Lapland] [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 149, "Lycksele, Nordschweden"] [Nordschweden = northern Sweden]. — Distr.: **NE**: U.S.A. (Alaska); **PA**: Belgium, Corsica, Estonia, Faroe Islands, Finland, Germany, Great Britain, Hungary, Ireland, Netherlands, Norway, Poland, Russia (NET, East Siberia), Slovakia, Spain, Spitzbergen, Sweden.

humeralis (ZETTERSTEDT, 1838): *Insecta Lapponica* [Heft 3]: 820 (*Ceratopogon*). Type-locality: [Sweden] "in Lapponia Umensi . . . ad Åsele" [= in Umeå Lapland . . . at Åsele] [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 149, "Åsele, Nordschweden"] [Nordschweden = northern

Sweden].

lacuum EDWARDS, 1929: *Transactions of the Entomological Society of London* **77**: 324 (*Cricotopus*). Type-localities: [Great Britain] "Windermere"; "Loch Fad, Bute".

festivellus (KIEFFER, 1906): *Genera Insectorum* **42**: 18 (*Chironomus*; as nom. nov. for *Chironomus festivus* Meigen, 1830, nec *Chironomus festivus* Say, 1823). — Distr.: **NE**: Canada (Manitoba, Nunavut, Ontario), U.S.A. (North Carolina, Ohio); **PA**: Austria, Belgium, Corsica, Denmark, **?**Estonia, Finland, France, Germany, Great Britain, Ireland, Italy, Macedonia, Mongolia, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET, East Siberia, Far East), Slovakia, Spain, Sweden, Switzerland.

festivus (MEIGEN, 1830): *Systematische Beschreibung* **6**: 252 (*Chironomus*). Type-locality: [Title] "europäischen" [= European]. **Preoccupied**. Junior primary homonym of *Chironomus festivus* Say, 1823 – the latter is a valid species of *Axarus* Roback, 1980 (Subfamily Chironominae).

laccophilus (KIEFFER in THIENEMANN & KIEFFER, 1916): *Archiv für Hydrobiologie Supplement* **2**(3): 533 (*Trichocladius*). Type-locality: {Sweden} [note, bottom of p. 534] "in Jönköping am Ufer des Vättern" [= in Jönköping on the shore of Vättern].

lacustris (KIEFFER in THIENEMANN & KIEFFER, 1916): *Archiv für Hydrobiologie Supplement* **2**(3): 534 (*Trichocladius*). Type-locality: {Sweden} [note, bottom of p. 534] "in Jönköping am Ufer des Vättern" [= in Jönköping on the shore of Vättern]. [**Note**]

angustus GOETGHEBUER, 1927: *Bulletin et Annales de la Société Entomologique de Belgique* **67**(1/2): 52 (*Cricotopus*; as "*angustus* Verr."). Type-locality: {Belgique} [= Belgium] [p. 54] "Postel (Camp.)" [Camp. = Campine]. Senior primary homonym of *Cricotopus angustus* Freeman, 1953. [**Note**]

? *flavus* (KIEFFER, 1909): *Bulletin de la Société d'Histoire Naturelle de Metz* **26**: 46 (*Trichocladius*; as "*Flavus*"). Type-locality: {Allemagne} [= Germany] "Larves

dans un étang près Waltershausen en Thuringe" [= Larvae in a pond near Waltershausen in Thuringia]. **Questionable synonym**.

? *phragmitis* (KIEFFER, 1923): *Annales de la Société Scientifique de Bruxelles, 2e partie (Mémoires)* **42**: 153 (*Trichocladius*). Type-locality: "Allemagne : lac de Selenter" [= Germany : Selenter Lake]. **Questionable synonym**.

? *crassinervis* (KIEFFER, 1925): *Annales de la Société Scientifique de Bruxelles, 1re partie (Comptes Rendus)* **44**: 387 (*Trichocladius*). Type-locality: [Poland] "Silésie : Brieg" [= Silesia : Brzeg]. **Questionable synonym**.

? *vernus* GOETGHEBUER, 1929: *Encyclopédie Entomologique, B-II, Diptera* **5**: 167 (*Cricotopus*). Type-locality: "Heusden (Belgique)" [Belgique = Belgium]. **Questionable synonym**.

flavibasalis TOKUNAGA, 1936: *Tenthedro* **1**(1): 28 (*Cricotopus*). Type-locality: "Japan (Honshu) . . . Kitashirakawa, Kyoto". — Distr.: **PA**: Japan.

flavipunctatus TOKUNAGA, 1936: *Tenthedro* **1**(1): 31 (*Cricotopus*). Type-locality: "Japan (Honshu) . . . Kiyotaki, Kyoto". — Distr.: **PA**: Japan. [**Note**]

flavocinctus (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 92 (*Trichocladius*). Type-locality: [Germany] "Nord de l'Allemagne . . . larves dans *Stratiotes*" [= northern Germany . . . larvae in *Stratiotes*]. — Distr.: **NE**: Canada (Manitoba, Saskatchewan); **PA**: Algeria, Austria, Belarus, Belgium, Estonia, Finland, France, Germany, Great Britain, Hungary, Ireland, Japan, Kaliningrad, Latvia, Lithuania, Netherlands, Norway, Romania, Russia (CET, NET, Far East), Spain, Sweden, Tunisia, Turkey.

flavozonatus FREEMAN, 1953: *Proceedings of the Royal Entomological Society* (B) **22**(7/8): 131 (*Cricotopus*). Type-locality: [South Africa] "Berg River, Wellington". — Distr.: **AF**: D.R.Congo, Ethiopia, South Africa, Uganda, Zimbabwe.

fugax (JOHANNSEN, 1905): *Bulletin of the New York State Museum* **86**: 279 (*Orthocladius*). Type-localities: [U.S.A.] "upon the flat rock bottom of Cascadilla creek (Ithaca N. Y.)" [N. Y. = New York]; "Chicago Ill." [Ill. = Illinois]. — Distr.: **NE**:

Canada (Ontario), U.S.A. (**?**Florida, Georgia, Kentucky, Mississippi, New York, North Carolina).

fuscus (KIEFFER, 1909): *Bulletin de la Société d'Histoire Naturelle de Metz* **26**: 46 (*Trichocladius*; as "*Fuscus*"). Type-locality: [Introduction] "Allemagne" [= Germany] ‖►Type-locality: [Germany, Westphalia] "in einem Teiche der Forellenzuchtanstalt Fürstenberg (Kreis Büren)" [= in a pond of the Fürstenberg (Kreis Büren) trout rearing facility] in Kieffer & Thienemann, 1909: *Jahresberichte des Westfälischen Provinzial-Vereins für Wissenschaft und Kunst* **37**: 31◄‖ [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 170-171, "Teich der Forellenzuchtanstalt Fürstenberg, Westfalen/Deutschland"] [= pond of the Fürstenberg trout rearing facility, Westphalia/Germany]. — Distr.: **NE**: Canada (Ontario), U.S.A (North Carolina); **PA**: Andorra, Austria, Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Lithuania, Macedonia, Mongolia, Morocco, Netherlands, Poland, Portugal, Romania, Russia (CET, NET, East Siberia), Slovakia, Spain, Switzerland, Turkey, ¶Yugoslavia.

prasiogaster (KIEFFER, 1911): *Bulletin de la Société Entomologique de France* **1911**: 186 (*Trichocladius*). Type-locality: [Introduction] "Allemagne" [= Germany] ‖►Type-locality: [Germany, Westphalia] "in einem Teiche der Forellenzuchtanstalt Fürstenberg i. W." [= in a pond of the Fürstenberg in Westphalia trout rearing facility], in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 76]◄‖.

glyceriae (KIEFFER, 1913): *Bulletin de la Société d'Histoire Naturelle de Metz* **28**: 30 (*Trichocladius*). Type-locality: {Allemagne} [= Germany] "Larve mineuse des tiges de *Glyceria*, au lac de Maria-Laach" [= Larva mining the stems of *Glyceria*, in Maria-Laach Lake]. [Lectotype designated in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 171, [Germany] "Laacher See"].

? *glauciventris* (KIEFFER, 1911): *Bulletin de la Société Entomologique de France*

1911: 186 (*Trichocladius*). Type-locality: [Introduction] "Allemagne" [= Germany] ‖ ►Type-locality: [Germany, Westphalia] "Wie vorige Art" [= Like the previous species], i.e. "im Bruthaus der Fürstenberger Forellenzuchtanstalt am Fenster " [= in the hatchery of the Fürstenberg trout rearing facility on the window], in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 76]◄ ‖. **Questionable synonym**.

? *longistilus* (POTTHAST, 1914): *Archiv für Hydrobiologie Supplement* **2**(2) [Preprint]: 305 (*Trichocladius*). Type-locality: [Germany] "Soestbach (Soest i. W.)" [= Soest brook (Soest in Westphalia)]. Senior primary homonym of *Trichocladius longistilus* Kieffer, 1915 (below). **Questionable synonym**. [**Note**]

? *longistilus* (KIEFFER, 1915): *Brotéria, Série Zoológica* **13**: 83 (*Trichocladius*). Type-locality: "Deutschland" [= Germany]. **Questionable synonym**. **Preoccupied**. Junior primary homonym and synonym of *Trichocladius longistilus* Potthast, 1914 (above). **Questionable synonym**.

? *ocularis* (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 84 (*Trichocladius*). Type-locality: [Germany] "Holstein : larves dans une source" [= Holstein : larvae in a spring]. **Questionable synonym**.

? *pergrandis* (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 84 (*Trichocladius*). Type-locality: [Poland] "Nord de l'Allemagne, lac Madu" [= northern Germany (now Poland), Lake Madu (now Lake Miedwie)]. **Questionable synonym**.

? *tendipedellus* (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 85 (*Trichocladius*). Type-locality: [Germany] "Holstein : source près du lac Dicksee" [= Holstein : spring near the lake of Dieksee]. **Questionable synonym**.

? *fallaciforceps* (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 89 (*Trichocladius*). Type-locality: [Austria] "Innsbruck". **Questionable synonym**.

? *eminens* (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 90 (*Trichocladius*). Type-locality: [Germany] "Holstein : larves dans une source" [= Holstein : larvae in a spring]. **Questionable synonym**.

? *brevicrus* (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 90 (*Trichocladius*). Type-locality: [Germany] "Holstein". **Questionable synonym**.

? *biformis* EDWARDS, 1929: *Transactions of the Entomological Society of London* **77**: 325 (*Cricotopus*). Type-locality: [Great Britain] "Radwell, Herts." [Herts. = Hertfordshire]. **Questionable synonym**.

? *biformis* EDWARDS in LÉGER & MOTAŞ, 1928: *Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences* **186**(18): 1238 (*Cricotopus*). Type-locality: "France . . . bords de la pièce d'eau du Château de Vizille" [= France . . . margins of a water feature of the Château de Vizille]. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**. **Questionable synonym**.

gelidus (KIEFFER, 1922): *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **2**: 18 (*Trichocladius*). Type-locality: [Russia] {Nouvelle-Zemble} "Zivolka Fjord" [Lectotype designation of Oliver published in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 152, "Zivolka Fjord, Nowaja Semlja"] [Nowaja Semlja = Novaya Zemlya]. — Distr.: **NE**: Canada (**$**Northwest Territories), Greenland; **PA**: Norway, Novaya Zemlya, Russia (East Siberia).

polychaetus (KIEFFER, 1923): *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **9**: 8 (*Trichocladius*). Type-locality: [Russia] {Nouvelle-Zemble} "Baie Pomorskaja, Detroit Matotckin" [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 152-153, "Pomorskaja Bucht, Matotchkin Strasse, Nowaja Semlja"] [= Pomorskaja Bay, Matotckin Street, Novaya Zemlya].

globistylus ROBACK, 1957: *Proceedings of the Academy of Natural Sciences of Philadelphia* **109**: 10 (*Cricotopus*). Type-locality: [U.S.A.] "Heber-Midway Bridge, Wasatch County, Utah". — Distr.: **NE**: U.S.A. (Arizona, California, Idaho, Montana, New Mexico, Oregon, Utah).

gressitti TOKUNAGA, 1964: *Insects of Micronesia* **12**(5): 510 (*Cricotopus*). Type-locality: [Federated States of Micronesia] "Agric. Expt. Sta., Colonia, Ponape". — Distr.: **AU**: Papua New Guinea; **OC**: Federated States of Micronesia.

guttatus HIRVENOJA, 1973: *Annales Zoologici Fennici* **10**: 250 (*Cricotopus* (*Cricotopus*)). Type-locality: "Hula, Israel". — Distr.: **PA**: Greece, Israel, Lebanon, Syria.

harrisoni FREEMAN, 1956: *Bulletin of the British Museum (Natural History)* Entomology **4**(7): 305 (*Cricotopus*). Type-locality: "KENYA: Aberdare, Nyeri Track, 10,500-11,000 ft.". — Distr.: **AF**: D.R.Congo, Ethiopia, Kenya, South Africa.

herrmanni SUBLETTE in SUBLETTE, STEVENS & SHANNON, 1998: *Great Basin Naturalist* **58**(2): 115 (*Cricotopus* (*Cricotopus*)). Type-locality: {USA} "Arkansas River, Fremont Co., CO, Canyon City, 9th street bridge, T85S, R70W, S33, 1618 m elev" [CO = Colorado, elev = elevation]. — Distr.: **NE**: U.S.A. (Arizona, California, Colorado, New Mexico).

hirvenojae LEHMANN, 1981: *Spixiana Supplement* **5**: 16 (*Cricotopus* (*Cricotopus*)). Type-locality: [Democratic Republic of the Congo] "Simisimi-Bach, Kisangani, Zaire". — Distr.: **AF**: D.R.Congo.

hollyfordensis BOOTHROYD, 2002: *New Zealand Journal of Marine and Freshwater Research* **36**(4): 778 (*Cricotopus* (*Cricotopus*)). Type-locality: "Hollyford River (44°47′S, 168°01′E) 740 m a.s.l., Milford Sound, South Island, New Zealand". — Distr.: **AU**: New Zealand (South Island).

ikigeheus SASA & SUZUKI, 1999: *Tropical Medicine* **41**(3): 154 (*Cricotopus*). Type-locality: [Title, p. 143] "Western Japan. . . . Iki Island"; [p. 154] "Touda Dam". — Distr.: **PA**: Japan.

inawalemeus SASA, KITAMI & SUZUKI, 2000: *Memoirs of the Museum of Dr. Hideyo Noguchi*: 17 (*Cricotopus* (*Cricotopus*)). Type-locality: [Japan] [Title, p. 2]

"Lake Inawashiro, Fukishima Prefecture". — Distr.: **PA**: Japan.

inawameneus SASA, KITAMI & SUZUKI, 2000: *Memoirs of the Museum of Dr. Hideyo Noguchi*: 17 (*Cricotopus* (*Cricotopus*)). Type-locality: [Japan] [Title, p. 2] "Lake Inawashiro, Fukishima Prefecture". — Distr.: **PA**: Japan.

infuscatus (MALLOCH, 1915): *Bulletin of the Illinois State Laboratory of Natural History* **10**: 517 (*Orthocladius* (*Trichocladius*)). Type-locality: [U.S.A.] "Peoria, Ill." [Ill. = Illinois]. — Distr.: **NE**: Canada (Ontario), U.S.A. (Arizona, California, Colorado, Georgia, Illinois, New Mexico, Ohio, Pennsylvania, South Dakota).

aratus ROBACK, 1957: *Monographs of the Academy of Natural Sciences of Philadelphia* **9**: 73 (*Cricotopus*). Type-locality: [U.S.A., Pennsylvania, near Philadelphia] "Stream crossing route 320 between route 23 and alternate route 23".

ceris ROBACK, 1957: *Monographs of the Academy of Natural Sciences of Philadelphia* **9**: 72 (*Cricotopus*). Type-locality: [U.S.A.] "Munckinipatin Creek near Secane, Pa." [Pa. = Pennsylvania].

edurus SUBLETTE & SUBLETTE, 1971: *Entomological News* **82**(4): 85 (*Cricotopus*). Type-locality: [U.S.A.] "P. L. Boyd Desert Research Center, Palm Desert, Riverside County, California".

subfuscus SUBLETTE & SUBLETTE, 1971: *Entomological News* **82**(4): 98 (*Cricotopus*). Type-locality: [U.S.A.] "Hat Creek, Fall River Mills, Shasta County, California".

jintuduodecimus SASA, 1996: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996** (**December**): 63 (*Cricotopus* (*Cricotopus*)). Type-locality: [Japan] [p. 61, Introduction] "in Toyama Prefecture along the main stream of Jinzu River and its tributaries"; [p. 63] "at St. 2, Kiritani". — Distr.: **PA**: Japan.

jogantertius SASA, KAWAI & UENO, 1988: *Research Report Toyama Prefectural Environmental Pollution Research Center* **1988**: 44 (*Cricotopus*). Type-locality: {Japan} "a small mountain stream running into Joganji River at the side of the

hydroelectric power station, Awasuno, Toyama". — Distr.: **PA**: Japan; **OR**: Japan (Ryukyu Archipelago).

kisobimaculatus SASA & KONDO, 1994: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1994**: 133 (*Cricotopus*). Type-locality: {Japan} [p. 132] "ON THE BANK OF THE KISO RIVER AT BISAI". — Distr.: **PA**: Japan.

lavaderos SUBLETTE & SASA, 1994: *Spixiana Supplement* **20**: 13 (*Cricotopus*). Type-locality: {Guatemala} "Lavaderos". — Distr.: **NT**: Guatemala.

lestralis (EDWARDS, 1924): *Annals and Magazine of Natural History* (9) **10**: 172 (*Trichocladius*). Type-locality: [Norway] "N.E. Spitzbergen : N. Bismarck Str., . . . 0-50 ft." [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 153, "N.E. Spitzbergen, N. Bismarck Str., . . . 0 - 50 ft."]. — Distr.: **NE**: Canada (Nunavut, Yukon Territory), Greenland, U.S.A. (Alaska, Washington); **PA**: Corsica, Spitzbergen, Sweden.

levantinus MOUBAYED & HIRVENOJA, 1986: *Bulletin de la Société d'Histoire Naturelle de Toulouse et de Midi-Pyrénées* **122**: 169 (*Cricotopus* (*Cricotopus*)). Type-locality: {Békaa, Liban} "rivière Oronte (hyporhithral) à hermel, altitude 650 - 600 m" [= River Orontes (hyporhithral) at Hermel, altitude 650 - 600 metres] [Liban = Lebanon]. — Distr.: **PA**: Corsica, Lebanon, Morocco, Spain.

levantinus subsp. **levantinus** MOUBAYED & HIRVENOJA, 1986: *Bulletin de la Société d'Histoire Naturelle de Toulouse et de Midi-Pyrénées* **122**: 169 (*Cricotopus* (*Cricotopus*)). Type-locality: {Békaa, Liban} "rivière Oronte (hyporhithral) à hermel, altitude 650 - 600 m" [= River Orontes (hyporhithral) at Hermel, altitude 650 - 600 metres] [Liban = Lebanon]. — Distr.: **PA**: Corsica, Lebanon, Morocco, Spain.

levantinus subsp. **occidentalis** MOUBAYED-BREIL & ASHE, 2011: *Ephemera* **12**(1): 8 (*Cricotopus*; as subspecies of *levantinus* Moubayed & Hirvenoja, 1986). Type-locality: "ALGERIA: Boubhir Wadi". — Distr.: **PA**: Algeria.

luciae LESAGE & HARRISON, 1981: *Proceedings of the Entomological Society of Ontario*

111: 91 (*Cricotopus* (*Cricotopus*)). Type-locality: [Canada] "ONTARIO: Elmira, Salem Creek". — Distr.: **NE**: Canada (Ontario), U.S.A. (Alabama, Ohio, North Carolina, South Carolina). [**Note**]

mackenziensis OLIVER, 1977: *Journal of the Fisheries Research Board of Canada* **34**(1): 99 (*Cricotopus* (*Cricotopus*)). Type-locality: [Canada] "Harris River (61°52′N, 121°18′W), District of Mackenzie, Northwest Territories". — Distr.: **NE**: Canada (Northwest Territories).

macraei SÆTHER, 1971: *Canadian Entomologist* **103**(12): 1799 (*Cricotopus*). Type-locality: [Canada] "Crystal Springs, Man." [Man. = Manitoba]. — Distr.: **NE**: Canada (Manitoba).

flannagani SÆTHER, 1971: *Canadian Entomologist* **103**(12): 1809 (*Cricotopus*). Type-locality: [Canada] "same data as allotype and paratypes of *C. macraei*" [i.e. = "Crystal Springs, Man."] [Man. = Manitoba].

magus HIRVENOJA, 1973: *Annales Zoologici Fennici* **10**: 182 (*Cricotopus* (*Cricotopus*)). Type-locality: "aus dem See Sompiojärvi, Sodankylä, Finnisch-Lappland" [= from Lake Sompiojärvi, Sodankylä, Finnish Lapland]. — Distr.: **PA**: Finland, Norway.

metatibialis TOKUNAGA, 1936: *Tenthedro* **1**(1): 21 (*Cricotopus*). Type-locality: "Japan (Honshu) . . . Kitashirakawa, Kyoto". — Distr.: **PA**: Japan, Russia (Far East).

mongolpequeus SASA & SUZUKI, 1997: *Japanese Journal of Tropical Medicine and Hygiene* **25**(4): 168 (*Cricotopus* (*Cricotopus*)). Type-locality: {Mongolia} "Bogd". — Distr.: **PA**: Mongolia.

mongolquereus SASA & SUZUKI, 1997: *Japanese Journal of Tropical Medicine and Hygiene* **25**(4): 170 (*Cricotopus* (*Cricotopus*)). Type-locality: {Mongolia} "Bogdt" [error = Bogd]. — Distr.: **PA**: Mongolia.

nalus ROBACK, 1960: *Transactions of the American Entomological Society* **86**(2): 89 (*Cricotopus*). Type-locality: "Hotel Tourista, overlooking Huallaga River, one mile west of Tingo Maria, Peru". — Distr.: **NT**: Peru.

nevadensis CASAS & VILCHEZ-QUERO, 1992: *Hydrobiologia* **230**(2): 71 (*Cricotopus*

(*Cricotopus*)). Type-locality: "Trevelez stream, 1000 m . . . Sierra Nevada, Andalucia, Spain". — Distr.: **PA**: Portugal, Spain.

nudisquamus SÆTHER, 1981: *Entomologica Scandinavica Supplement* **16**: 12 (*Cricotopus* (*Cricotopus*)). Type-locality: "122 m a.s.l., backwater at hydro-station weir, Richmond River, St. Vincent". — Distr.: **NT**: St. Vincent.

ogasaseptimus SASA & SUZUKI, 1997: *Medical Entomology and Zoology* **48**(4): 326 (*Cricotopus*). Type-locality: {Japan, Ogasawara Islands} "Chichijima". — Distr.: **OC**: Bonin Islands.

ogasasextus SASA & SUZUKI, 1997: *Medical Entomology and Zoology* **48**(4): 325 (*Cricotopus*). Type-locality: {Japan, Ogasawara Islands} "Futami, Chichijima Island". — Distr.: **OC**: Bonin Islands.

osaruquartus SASA, 1988: *Research Report from the National Institute for Environmental Studies* **121**: 32 (*Cricotopus*). Type-locality: {Hokkaido, Japan} "at the side of Osaru River". — Distr.: **PA**: Japan.

pallidipes EDWARDS, 1929: *Transactions of the Entomological Society of London* **77**: 324 (*Cricotopus*). Type-localities: [Great Britain] "Newton, N. Wales"; "Brockenhurst, Hants." [Hants. = Hampshire]; "Bonawe, Argyll". — Distr.: **PA**: Finland, France, Germany, Great Britain, Ireland, Lebanon, Morocco, Norway, Romania, Russia (CET, NET), Spain, Turkey.

parametatibialis REE, 2009: *Korean Journal of Systematic Zoology* **25**(1): 57 (*Cricotopus*). Type-locality: [South Korea] "Byeonsan Beach, Buan-gun, Jeollabuk-do". — Distr.: **PA**: South Korea.

patens HIRVENOJA, 1973: *Annales Zoologici Fennici* **10**: 218 (*Cricotopus* (*Cricotopus*)). Type-locality: "aus einem Tonteich (Tonstich) in Riihimäki, Südfinnland" [= from a clay pond (clay outflow) in Riihimäki, southern Finland]. — Distr.: **NE**: Canada (Nunavut, Ontario, Yukon Territory); **PA**: Austria, Finland, Italy, Netherlands, Norway, Sweden.

pedatus SUBLETTE, 1967: *Journal of the Kansas Entomological Society* **40**(4): 558 (*Cricotopus*). Type-locality: [U.S.A.] "Beaver Creek, Montana". — Distr.: **NE**:

U.S.A. (Montana, New Mexico).

pilidorsum HIRVENOJA, 1973: *Annales Zoologici Fennici* **10**: 144 (*Cricotopus* (*Cricotopus*)). Type-locality: "aus dem See Sompiojärvi, Sodankylä, Finnisch-Lappland" [= from Lake Sompiojärvi, Sodankylä, Finnish Lapland]. — Distr.: **PA**: Finland.

pilocapsulus SÆTHER, 1981: *Entomologica Scandinavica Supplement* **16**: 6 (*Cricotopus* (*Cricotopus*)). Type-locality: "St. Vincent, Grand Bonhomme Stream, Treviot River, 472 m a.s.l.". — Distr.: **NT**: St. Vincent.

pilosellus BRUNDIN, 1956: *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 114 (*Cricotopus*). Type-locality: "Schweden, Småland: . . . am Ufer des Sees Fiolen bei Aneboda" [= Sweden, Småland: . . . on the shore of Lake Fiolen at Aneboda]. — Distr.: **NE**: Canada (Northwest Territories, Nunavut, Yukon Territory), Greenland; **PA**: Bear Island, Finland, Germany, Great Britain, Iceland, Ireland, Italy, Netherlands, Norway, Poland, Russia (NET, Far East), Slovakia, Sweden.

pirifer HIRVENOJA, 1973: *Annales Zoologici Fennici* **10**: 179 (*Cricotopus* (*Cricotopus*)). Type-locality: [Germany] "aus dem Stechlinsee, DDR" [= from the Stechlinsee, East Germany]. — Distr.: **PA**: Austria, Bulgaria, Finland, France, Germany, Italy, Netherlands, Russia (CET), Spain.

planus BOOTHROYD, 1990: *New Zealand Journal of Zoology* **17**(3): 427 (*Cricotopus*). Type-locality: "Kaniwhaniwha stream, 37°54′S, 175°05′E, 60 m asl, Mt Pirongia, North Island, New Zealand". — Distr.: **AU**: New Zealand (North Island). [**Note**]

polaris KIEFFER, 1926: *Norsk Entomologisk Tidsskrift* **2**: 84 (*Cricotopus*). Type-locality: [Greenland] "Godhavn". — Distr.: **NE**: Canada (Northwest Territories), Greenland, U.S.A. (Minnesota); **PA**: Finland, Germany, Great Britain, Iceland, Ireland, Norway, Novaya Zemlya, Russia (NET), Slovakia, Sweden.

bacilliger (KIEFFER, 1926): *Norsk Entomologisk Tidsskrift* **2**: 86 (*Trichocladius*). Type-locality: [Greenland] "Godhavn".

? *bilobatus* STORÅ, 1939: *Notulae Entomologicae* **19**(1/2): 20 (*Cricotopus*). Type-localities: "Karesuando, Schwedische Lappmark" [Schwedische = Swedish, i.e. Sweden]; [Russia, North European Territory] "Seitjaur, Kola Halbinsel" [Halbinsel = Peninsula]. **Preoccupied**. Junior secondary homonym of *Trichocladius bilobatus* Kieffer, 1924 – the latter is a questionable synonym of *Cricotopus* (*Cricotopus*) *annulator* Goetghebuer, 1927. **Questionable synonym**.

politus (COQUILLETT, 1902): *Proceedings of the United States National Museum* **25**: 93 (*Orthocladius*). Type-locality: [U.S.A.] "Washington, District of Columbia" — Distr.: **NE**: Canada (Ontario, Saskatchewan), U.S.A. (Arkansas, Colorado, District of Columbia, Florida, Georgia, Illinois, Maryland, New Mexico, New York, North Carolina, Ohio, South Carolina).

polyannulatus TOKUNAGA, 1936: *Tenthredo* **1**(1): 23 (*Cricotopus*). Type-locality: [Japan] "Kitashirakawa, Kyoto". — Distr.: **PA**: Japan; **OR**: Taiwan.

pseudopolitus MAKARCHENKO & MAKARCHENKO, 2007: *Evraziatskii Entomologicheskii Zhurnal* **6**(4): 440 (*Cricotopus* (*Cricotopus*)). Type-locality: {Russia, Far East} **KHABAROVSKII KRAI: Ul′chskii r-n, ruchei Khakubera (pritok r. Yai, verkhnee techenie, bassein r. Amur)** [= KHABAROVSK KRAI: Ul′chsky District, Khakubera stream, (tributary of the River Yai, upper course, basin of the River Amur)]. — Distr.: **PA**: Russia (Far East).

pulchripes VERRALL, 1912: *Entomologist's Monthly Magazine* **48**: 22 (*Cricotopus*). Type-locality: [Great Britain] "Snowdon" [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 187, "Snowdon, N. Wales"]. — Distr.: **NE**: U.S.A. (New York); **PA**: Belgium, Corsica, Faroe Islands, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Lebanon, Netherlands, Norway, Poland, Portugal, Russia (CET, NET, East Siberia, Far East), Spain, Sweden, Turkey.

montivagus (GOETGHEBUER, 1912): *Annales de Biologie Lacustre* **5**(4): 211 (*Trichocladius*). Type-locality: {Belgique} "à Hockai (Liége)" [Belgique =

Belgium].

? *trepidulus* GOETGHEBUER, 1944: *Biologisch Jaarboek* **11**: 37 (*Cricotopus*). Type-locality: [France] "Vosges : Gérardmer". **Questionable synonym**.

pyrus CHAUDHURI & GHOSH, 1985: *Aquatic Insects* **7**(1): 45 (*Cricotopus* (*Cricotopus*)). Type-locality: "Bhutan, Thimpu". — Distr.: **OR**: Bhutan, India (West Bengal).

quadrizonatus TOKUNAGA, 1964: *Insects of Micronesia* **12**(5): 512 (*Cricotopus*). Type-locality: "Futami-ko, Chichi Jima, Bonin Is.". — Distr.: **OC**: Bonin Islands.

reissi MAKARCHENKO, 2000: *Spixiana* **23**(2): 114 (*Cricotopus* (*Cricotopus*)). Type-locality: "Russian Far East, Magadan Territory, Chukchi Peninsula, Kresta Bay, Seutakan Lake". — Distr.: **PA**: Russia (Far East).

rincon SUBLETTE & SASA, 1994: *Spixiana Supplement* **20**: 16 (*Cricotopus*). Type-locality: {Guatemala} "Rincon". — Distr.: **NT**: Guatemala.

sabroskyi TOKUNAGA, 1964: *Insects of Micronesia* **12**(5): 511 (*Cricotopus*). Type-locality: [Belau] "Ngaremlengui, Babelthuap I., Palau". — Distr.: **AU**: Belau.

salinophilus ZINCHENKO, MAKARCHENKO & MAKARCHENKO, 2009: *Evraziatskii Entomologicheskii Zhurnal* **8**, Supplement **1**: 84 (*Cricotopus*). Type-locality: **Rossiya, Volgogradskaya oblast′, r. Solyanka (bass. oz. El′ton)** [= Russia, Volgograd Oblast, River Solyanka (basin of Lake El′ton)]. — Distr.: **PA**: Russia (SET).

samargaensis MAKARCHENKO & MAKARCHENKO, 2007: *Evraziatskii Entomologicheskii Zhurnal* **6**(4): 442 (*Cricotopus* (*Cricotopus*)). Type-locality: {Russia, Far East} **PRIMORSKII KRAI: Terneiskii r-n, r. Samarga** [= PRIMORSKY KRAI: Terneisky District, River Samarga]. — Distr.: **PA**: Russia (Far East).

scottae FREEMAN, 1956: *Bulletin of the British Museum (Natural History)* Entomology **4**(7): 312 (*Cricotopus*). Type-locality: [South Africa] "CAPE PROVINCE: Berg River, Wellington". — Distr.: **AF**: Chad, D.R.Congo, Ethiopia, Niger, Nigeria, South Africa, Zimbabwe. [**Note**]

seiryubeceus SASA, SUZUKI & SAKAI, 1999: *Tropical Medicine* **40**(3): 102 (*Cricotopus*

(*Cricotopus*)). Type-locality: [Abstract, p. 99] "Shimanto River, western Shikoku Island, Japan"; [p. 102] "at the side of Hiromi Branch River". — Distr.: **PA**: Japan.

septentrionalis HIRVENOJA, 1973: *Annales Zoologici Fennici* **10**: 186 (*Cricotopus* (*Cricotopus*)). Type-locality: "Tupalehdonoja, Korvanen, Sodankylä, Finnisch-Lappland" [Finnisch-Lappland = Finnish Lapland]. — Distr.: **PA**: Finland, Norway, Romania, Russia (NET, Far East).

similis GOETGHEBUER, 1921: *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 95 (*Cricotopus*). Type-locality: {Belgique} [p. 190] "Gedinne, Virton, (H. B.)" [H. B. = Haute Belgique], [Belgique = Belgium]. — Distr.: **PA**: Algeria, Austria, Belgium, Bulgaria, Corsica, Faroe Islands, Finland, France, Germany, Great Britain, Ireland, Lebanon, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET), Slovakia, Spain, Switzerland; **OR**: China (Zhejiang).

decorus GOETGHEBUER, 1927: *Bulletin et Annales de la Société Entomologique de Belgique* **67**(1/2): 53 (*Cricotopus*). Type-locality: {Belgique} "Virton (Juras.)" [Belgique = Belgium]. [**Note**]

slossonae MALLOCH, 1915: *Bulletin of the Illinois State Laboratory of Natural History* **10**: 506 (*Cricotopus*; as "*slossonæ*"). Type-locality: [U.S.A.] "Algonquin, Ill." [Ill. = Illinois]. — Distr.: **NE**: Canada (Northwest Territories, Ontario, Saskatchewan), U.S.A. (Georgia, Illinois, New York, North Carolina, Ohio, South Carolina); **PA**: Finland, Russia (NET, Far East).

claripes HIRVENOJA, 1973: *Annales Zoologici Fennici* **10**: 194 (*Cricotopus* (*Cricotopus*)). Type-locality: "aus dem Bach Tupalehdonoja, Korvanen, Sodankylä, Finnisch-Lappland" [= from the Tupalehdonoja brook, Korvanen, Sodankylä, Finnish Lapland].

sudagaibeceus SASA & TANAKA, 2001: *Annual Report of the Gunma Prefecture Institute of Public Health and Environmental Science* **33**: 52 (*Cricotopus* (*Cricotopus*)). Type-locality: {Japan} [Abstract, p. 41] "Tone River, Gunma Prefecture"; [p.

52] "Sudagai". — Distr.: **PA**: Japan.

tamapullus SASA, 1981: *Research Report from the National Institute for Environmental Studies* **29**: 90 (*Cricotopus*). Type-locality: {Japan, Minamiasakawa River, a tributary of the Tama River} "Station No. 2". — Distr.: **PA**: Japan.

tamasimplex SASA, 1981: *Research Report from the National Institute for Environmental Studies* **29**: 19 (*Cricotopus*). Type-locality: {Japan, Tama River, Minamiasakawa River} "Station No. 3". — Distr.: **PA**: Japan.

tanis ROBACK, 1962: *Notulae Naturae* **355**: 2 (*Cricotopus*). Type-locality: [Panama] "Holbrook Air Force Base, Curundu, Canal Zone". — Distr.: **NT**: Panama.

tibialis (MEIGEN, 1804): *Klassifikazion und Beschreibung der europäischen zweiflügligen insekten* **1**: 16 (*Chironomus*). Type-locality: [Title] "europäischen" [= European] [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 156]. — Distr.: **NE**: Canada (Manitoba, New Brunswick, Northwest Territories, Nunavut, Yukon Territory), Greenland, U.S.A. (Alaska, Minnesota); **PA**: Austria, Belgium, Czech Republic, Denmark, Estonia, Faroe Islands, Finland, France, Germany, Great Britain, Hungary, Iceland, Ireland, Italy, Kaliningrad, Lithuania, Moldova, Mongolia, Netherlands, Norway, Novaya Zemlya, Poland, Portugal, Romania, Russia (CET, NET, SET, Far East), Slovakia, Spain, Spitzbergen, Sweden, Switzerland, Ukraine.

basalis (STAEGER, 1845): *Naturhistorisk Tidsskrift* (2) **1**: 351 (*Chironomus*). Type-locality: [Title, p. 346] "Grønlands" [= Greenland].

humeralis (HOLMGREN, 1883): *Entomologisk Tidskrift* **4**(3/4): 180 (*Chironomus*). Type-locality: [Russia, Novaya Zemlya] "Södra Gåskap". **Preoccupied**. Junior primary homonym of *Chironomus humeralis* Macquart, 1826 – the latter is a nomen dubium in the Subfamily Chironominae.

holmgreni (KIEFFER, 1906): *Genera Insectorum* **42**: 18 (*Chironomus*; as "*Holmgreni*"; as nom. nov. for *Chironomus humeralis* Holmgren, 1883, nec *Chironomus humeralis* Macquart, 1826).

hortensis (KIEFFER, 1912): *Bulletin de la Société Entomologique de France* **1912**: 87

(*Trichocladius*). Type-locality: "Allemagne" [= Germany] ‖►Type-locality: [Germany] "Versuchsaquarien im Garten der Landwirtschaftlichen Versuchsstation Münster" [= Experimental aquaria in the garden of the Agricultural Experimental Station Münster], in Thienemann, 1919: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst (Zoologische Sektion)* **47**: 28]◄‖.

? *pavidus* (HOLMGREN, 1869): *Kungliga Svenska VetenskapsAkademiens Handlingar* **8**(5): 42 (*Chironomus*). Type-localities: [Norway] "Hab. in Spetsbergia ad Green Harbour et Smeerenberg" [= Dwells in Spitzbergen at Green Harbour and Smeerenberg]; "In Beeren Eilandia" [= In Bear Island] [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 156, "Smeerenberg, Spitzbergen"]. **Questionable synonym**.

? *ursus* (KIEFFER in KIEFFER & THIENEMANN, 1919): *Entomologische Mitteilungen* **8**: 112 (*Trichocladius*). Type-locality: [Norway] "Bäreninsel: Süßwassertümpel, oberhalb der Walfischbucht" [= Bear Island: freshwater pool, above Walrus Bay]. **Questionable synonym**.

togacutus SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 98 (*Cricotopus* (*Cricotopus*)). Type-locality: [Japan] [Introduction, p. 92] "Toga-mura . . . in the southern mountainous part of Toyama Prefecture"; [p. 98] "at Momose". — Distr.: **PA**: Japan, Russia (Far East).

togapediformis SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 99 (*Cricotopus* (*Cricotopus*)). Type-locality: [Japan] Introduction, p. 92] "Toga-mura . . . in the southern mountainous part of Toyama Prefecture". — Distr.: **PA**: Japan.

togapediformis SASA & OKAZAWA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 119 (*Cricotopus*). Locality: {Japan} [Abstract, p. 105] "Toga-mura, a village situated in the mountainous region of Toyama Prefecture". Name not made available - not

accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

togaspadix SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 100 (*Cricotopus* (*Cricotopus*)). Type-locality: [Japan] [Introduction, p. 92] "Toga-mura . . . in the southern mountainous part of Toyama Prefecture"; [p. 100] "at Toga Murayakuba". — Distr.: **PA**: Japan.

tokunagai HIRVENOJA, 1973: *Annales Zoologici Fennici* **10**: 337 (*Cricotopus*; as nom. nov. for *Cricotopus bituberculatus* Tokunaga, 1940 nec *Cricotopus bituberculatus* Goetghebuer, 1934). — Distr.: **PA**: Russia (Far East). [**Note**]

tokunagaia: incorrect subsequent spelling.

bituberculatus TOKUNAGA, 1940: *Philippine Journal of Science* **72**(3): 286 (*Cricotopus*). Type-locality: [Russia, Far East] "Titori, Sakalin". **Preoccupied**. Junior primary homonym of *Cricotopus bituberculatus* Goetghebuer, 1934 – the latter is a junior synonym of *Cricotopus* (*Cricotopus*) *annulator* Goetghebuer, 1927.

tremulus (LINNAEUS, 1758): *Systema naturæ* (10th Edition) **1**: 587 (*Tipula*). Type-locality: [Sweden] "Habitat Upsaliæ" [= Dwells in Uppsala]. — Distr.: **NE**: Canada (Alberta, Nova Scotia, Ontario, Québec, Saskatchewan), U.S.A. (Georgia, New Jersey, New York, North Carolina, Ohio, Oregon); **PA**: Andorra, Austria, Belgium, Bulgaria, Corsica, Denmark, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Luxembourg, **?**Madeira, Mongolia, Morocco, Netherlands, Norway, Novaya Zemlya, Poland, Portugal, Romania, Russia (CET, NET, Far East), Sicily, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey.

pictimanus (KIEFFER, 1911): *Bulletin de la Société Entomologique de France* **1911**: 185 (*Trichocladius*). Type-locality: [Introduction] "Allemagne" [= Germany] ‖ ►Type-locality: [Germany] "in der Ruhr oberhalb Nuttlar" [= in the Ruhr above Nuttlar], in Thienemann, 1912: *Jahresbericht des Westfälischen*

Provincial-Vereins für Wissenschaft und Kunst **40**: 76]◄‖ [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 190-191, "in der Ruhr oberhalb Nuttlar . . . Deutschland"] [= in the Ruhr above Nuttlar . . . Germany].

niveimanus (POTTHAST, 1914): *Archiv für Hydrobiologie Supplement* **2**(2) [Preprint]: 302 (*Trichocladius*). Type-locality: [Germany] "Eifel, Olefbach oberhalb Schleiden, unterhalb der Holzdestillation Marienglück" [= Eifel, Olefbach above Schleiden, below the wood distillation facility at Marienglück]; [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 191, "Olefbach oberhalb Schleiden, unterhalb der Holzdestillation Marienglück . . . Eifel, Deutschland"] [= Olefbach above Schleiden, below the wood distillation facility at Marienglück . . . Eifel, Germany]. Senior primary homonym of *Trichocladius niveimanus* Kieffer, 1915 (below). [**Note**]

niveimanus (KIEFFER, 1915): *Brotéria, Série Zoológica* **13**: 83 (*Trichocladius*). Type-locality: "Deutschland" [= Germany] ‖►Type-locality: [Germany] "Eifel, Olefbach oberhalb Schleiden, unterhalb der Holzdestillation Marienglück" [= Eifel, Olefbach above Schleiden, below the wood distillation facility at Marienglück], in Potthast, 1914: *Archiv für Hydrobiologie Supplement* **2**(2) [Preprint]: 302◄‖; [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 191, "Olefbach oberhalb Schleiden, unterhalb der Holzdestillation Marienglück . . . Eifel, Deutschland"] [= Olefbach above Schleiden, below the wood distillation facility at Marienglück . . . Eifel, Germany]. **Preoccupied**. Junior primary homonym and synonym of *Trichocladius niveimanus* Potthast, 1914 (above).

triannulatus (MACQUART, 1826): *Recueil des Travaux de la Société d'Amateurs des Sciences, de l'Agriculture et des Arts de Lille* **1823-1824**: 202 (*Chironomus*). Type-locality: [Title] "Nord de la France" [= northern France]. — Distr.: **NE**: Canada (Ontario, Saskatchewan), Mexico (Puebla), U.S.A. (Florida, Mississippi, New York, North Carolina, Ohio, South Carolina); **PA**: Albania,

Austria, Belgium, Canary Islands, China (Henan, Liaoning), Croatia, Czech Republic, Estonia, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Japan, Macedonia, Moldova, Mongolia, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET, Far East), Sicily, Slovakia, Slovenia, South Korea, Spain, Sweden, Switzerland, Turkey, Ukraine. [**Note**]

pulchellus (MEIGEN, 1830): *Systematische Beschreibung* **6**: 251 (*Chironomus*). Type-locality: [Title] "europäischen" [= European] [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 208]. [**Note**]

exilis JOHANNSEN, 1905: *Bulletin of the New York State Museum* **86**: 255 (*Cricotopus*). Type-locality: [U.S.A.] "from the rocky bottom of the shallow but swift, Fall creek water at Ithaca N. Y." [N. Y. = New York].

niveiforceps (KIEFFER, 1915): *Brotéria, Série Zoológica* **13**: 84 (*Trichocladius*). Type-locality: "Deutschland" [= Germany].

suecicus (KIEFFER in KIEFFER & THIENEMANN, 1916): *Archiv für Hydrobiologie Supplement* **2**(3): 532 (*Trichocladius*). Type-locality: {Sweden} [note, bottom of p. 534] "in Jönköping am Ufer des Vättern" [= in Jönköping on the shore of Vättern Lake].

trifascia EDWARDS, 1929: *Transactions of the Entomological Society of London* **77**: 322 (*Cricotopus*). Type-localities: [Great Britain] "Dovedale"; "Glapton, Notts." [Notts. = Nottinghamshire]; "Sidmouth S. Devon"; "Temple Sowerby, Westmoreland". — Distr.: **NE**: Canada (Ontario, Saskatchewan), U.S.A. (Arizona, California, Florida, Georgia, New York, New Mexico, North Carolina, Ohio, Pennsylvania); **PA**: Albania, Algeria, Austria, Belgium, Bulgaria, Corsica, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Japan, Latvia, Lebanon, Luxembourg, Moldova, Mongolia, Morocco, Netherlands, Palestine, Poland, Portugal, Romania, Russia (CET, NET, Far East), Sicily, Slovakia, Spain, Switzerland, Syria, Turkey, ¶Yugoslavia; **OR**: China (Zhejiang).

ithacanensis SUBLETTE, 1967: *Journal of the Kansas Entomological Society* **40**(4):

555 (*Cricotopus*). Type-locality: [U.S.A.] "Ithaca, New York".

trilobatus ZELENTZOV, 1997: *Zoologicheskii Zhurnal* **76**(7): 816 (*Cricotopus* (*Cricotopus*)). Type-locality: **Rossiya, Respublika Sakha, more Laptevykh, o. Dunai, Ust′-Lenskii zapovednik, 73.7° s.sh., 124° v.d.** [= Russia, Sakha Republic, Laptevykh Sea, Lake Dunai, Ust′-Lenskii Nature Reserve, 73.7° N.latitude., 124° E.longitude]. — Distr.: **PA**: Russia (East Siberia).

trilobus OLIVER & DILLON, 1988: *Canadian Entomologist* **120**(5): 485 (*Cricotopus* (*Cricotopus*)). Type-locality: "UNITED STATES. Alaska: Barrow". — Distr.: **NE**: U.S.A. (Alaska).

tristis HIRVENOJA, 1973: *Annales Zoologici Fennici* **10**: 196 (*Cricotopus* (*Cricotopus*)). Type-locality: "aus dem Fluss Mutenianjoki, Sodankylä, Finnisch-Lappland" [= from the river Mutenianjoki, Sodankylä, Finnish Lapland]. — Distr.: **NE**: Canada (Northwest Territories, Nunavut, Ontario, Yukon Territory); **PA**: China (Liaoning), Finland, Germany, Great Britain, Ireland, Italy, Mongolia, Norway, Poland, Russia (NET, Far East), Sweden.

tshukoticus MAKARCHENKO & MAKARCHENKO, 2007: *Evraziatskii Entomologicheskii Zhurnal* **6**(4): 443 (*Cricotopus* (*Cricotopus*)). Type-locality: {Russia, Far East} **MAGADANSKAYA OBLAST′, Chukotskii p-ov, bezymyannoe tundrovoe ozero v okr. pos. Lavrentiya** [= MAGADAN OBLAST, Chukotsky Peninsula, anonymous tundra lakes in the vicinity of the town of Lavrentiya]. — Distr.: **PA**: Russia (Far East).

tusimodeeus (SASA & SUZUKI, 1999): *Tropical Medicine* **41**(2): 81 (*Paratrichocladius*). Type-locality: [Introduction, p. 75] "Tsushima Island . . . western Japan]; [p. 81] "Izumi". — Distr.: **PA**: Japan.

unizonatus HARRISON, 1992: *Spixiana* **15**(2): 174 (*Cricotopus*). Type-locality: {Ethiopia} "Wabe Shebele River". — Distr.: **AF**: Ethiopia. [**Note**]

varipes COQUILLETT, 1902: *Proceedings of the United States National Museum* **25**: 93 (*Cricotopus*). Type-locality: [U.S.A.] "Great Falls, Maryland". — Distr.: **NE**: Canada (Northwest Territories, Ontario), U.S.A. (Connecticut, Florida, Georgia,

Michigan, Maryland, New York, North Carolina, Ohio, South Carolina, Washington).

vierriensis GOETGHEBUER, 1935: *Bulletin et Annales de la Société Entomologique de Belgique* **75**(11/12): 417 (*Cricotopus*). Type-locality: {Belgique} "sur les bords de la Vierre, près de Chiny" [= on the banks of the Vierre, near Chiny] [Belgique = Belgium]. — Distr.: **NE**: Canada (Manitoba), U.S.A. (Alabama, Florida, Kansas, New Mexico, New York, North Carolina, Ohio, Pennsylvania, South Carolina, Tennessee); **PA**: Afghanistan, Algeria, Andorra, Austria, Balearic Islands, Belgium, Bulgaria, Canary Islands, Czech Republic, **?**Estonia, Faroe Islands, Finland, France, Germany, Great Britain, Hungary, Ireland, Israel, Italy, Lebanon, Luxembourg, Madeira, Morocco, Netherlands, Poland, Romania, Russia (NET), Slovakia, Spain, Switzerland, Syria, Tunisia, Turkey, Ukraine.

edwardsi STORÅ, 1936: *Commentationes Biologicae* **6**(1): 22 (*Cricotopus*; as "*Edwardsi*"). Type-locality: {Kanarischen Inseln} [= Canary Islands] "Can.: Moya, Los Tilos, an einem Bach" [= Gran Canaria: Moya, Los Tilos, by a stream].

pseudosimilis GOETGHEBUER & TIMON-DAVID, 1939: *Bulletin et Annales de la Société Entomologique de Belgique* **79**(1/2): 66 (*Cricotopus*). Type-locality: [France] {iles du Golfe de Marseille} [= islands in the Gulf of Marseille] [p. 65-66] "POMÈGUES-RATTONEAU". [**Note**]

villosus HIRVENOJA, 1973: *Annales Zoologici Fennici* **10**: 139 (*Cricotopus* (*Cricotopus*)). Type-locality: "Sompiojärvi, Sodankylä, Finnisch-Lappland" [Finnisch-Lappland = Finnish Lapland]. — Distr.: **PA**: Finland, Spitzbergen.

vincenti BOOTHROYD, 1990: *New Zealand Journal of Zoology* **17**(3): 421 (*Cricotopus*). Type-locality: "Kaniwhaniwha stream, 37°54′S, 175°05′E, 60 m asl, Mt Pirongia, North Island, New Zealand". — Distr.: **AU**: New Zealand (North Island). [**Note**]

yatabensis SASA, 1979: *Research Report from the National Institute for Environmental*

Studies **7**: 41 (*Cricotopus* (*Isocladius*)). Type-locality: {Japan} "concrete pools and shallow concrete ditches constructed in NIES" [NIES = National Institute of Environmental Studies, Ibaraki]. — Distr.: **PA**: Japan.

yoshimurai TOKUNAGA, 1936: *Tenthedro* **1**(1): 25 (*Cricotopus*). Type-locality: "Japan (Kyushu) . . . Takeno-mura, Ukiha-gun". — Distr.: **PA**: Japan.

yunoquintus SASA, 1984: *Research Report from the National Institute for Environmental Studies* **70**: 76 (*Cricotopus*). Type-locality: [Japan] {Nikko National Park} "littoral zones of Lake Yunoko". — Distr.: **PA**: Japan.

zavreli SZADZIEWSKI & HIRVENOJA, 1981: *Annales Entomologici Fennici* **47**(4): 114 (*Cricotopus* (*Cricotopus*)). Type-locality: {Poland} "Inowrocław-Matwy". — Distr.: **PA**: Poland, Ukraine.

zealandicus FREEMAN, 1959: *Bulletin of the British Museum (Natural History)* Entomology **7**(9): 413 (*Cricotopus*). Type-locality: {New Zealand} "Wellington: Ohakune". — Distr.: **AU**: New Zealand (North Island, South Island).

sp.: ASHE, 1990: *Insects and the rain forests of South East Asia (Wallacea)*: 267 (*Cricotopus* (*Cricotopus*)). Locality: {Indonesia} "Sulawesi". — Distr.: **OR**: Indonesia (Sulawesi).

Nomina dubia in CRICOTOPUS (CRICOTOPUS)

borealis (KIEFFER, 1913): *Bulletin de la Société d'Histoire Naturelle de Metz* **28**: 57 (*Trichocladius*). Type-locality: [Introduction] "Islande" [= Iceland]. [**Note**]

Subgenus **ISOCLADIUS** KIEFFER

ISOCLADIUS KIEFFER, 1909: *Bulletin de la Société d'Histoire Naturelle de Metz* **26**: 44 (as genus). Type-species: *Isocladius albipes* Kieffer, 1909 [= *Tipula sylvestris* Fabricius, 1794], by monotypy.

amurensis MAKARCHENKO & MAKARCHENKO, 2007: *Evraziatskii Entomologicheskii Zhurnal* **6**(4): 445 (*Cricotopus* (*Isocladius*)). Type-locality: {Russia, Far East} **KHABAROVSKII KRAI: Nikolaevskii r-n, bezymyannyi ruchei bassein r.

Srednyaya Tarakanovka, naprotiv g. Nikolaevsk-na-Amure)** [= KHABAROVSKII KRAI: Nikolaevsky District, anonymous stream in the basin of the River Srednyaya Tarakanovka, opposite the town of Nikolaevsk-on-Amur]. — Distr.: **PA**: Russia (Far East).

anatolii MAKARCHENKO & MAKARCHENKO, 2009: *Evraziatskii Entomologicheskii Zhurnal* **8**, Supplement **1**: 72 (*Cricotopus* (*Isocladius*)). Type-locality: {Russia} **Severo-Zapadnyi Sakhalin, Okhinskii r-n, r. Langry, priust′evaya chast′, Peschanye ozëra** [= north-western part of Sakhalin Island, Okha District, River Langry, area near the mouth, Peschanye lakes]. — Distr.: **PA**: Russia (Far East).

anomalus (KIEFFER, 1913): *Records of the Indian Museum* **9**(3): 124 (*Trichocladius*). Type-localities: [India, Himachal Pradesh] "Valley of Sutlej below Simla, W. Himalayas"; [India, West Bengal] "Darjiling, . . . altitude de 7000 pieds" [= Darjiling, . . . altitude of 7000 feet]. — Distr.: **OR**: India (Himachal Pradesh, West Bengal). [**Note**]

arcuatus HIRVENOJA, 1973: *Annales Zoologici Fennici* **10**: 317 (*Cricotopus* (*Isocladius*)). Type-locality: "aus dem See Sompiojärvi, Finnisch-Lappland" [= from Lake Sompiojärvi, Finnish Lapland]. — Distr.: **PA**: Finland, Germany, Great Britain, Netherlands, Russia (NET, East Siberia), Sweden.

ateritarsus BHATTACHARYAY, ALI & CHAUDHURI, 1991: *Beiträge zur Entomologie* **41**(2): 333 (*Cricotopus* (*Isocladius*)). Type-locality: "India, Sikkim". — Distr.: **OR**: India (Sikkim, West Bengal).

brevipalpis KIEFFER, 1909: *Bulletin de la Société d'Histoire Naturelle de Metz* **26**: 45 (*Cricotopus*; as "*Brevipalpis*"). Type-locality: {Allemagne} [= Germany] "Westphalie; larves mineuses dans des feuilles de *Potamogeton natans*" [= Westphalia; larvae mine leaves of *Potamogeton natans*] ‖ ►Type-locality: [Germany] "in den Blättern von *Potamogeton natans* . . . (Werse bei Münster; Teichgur Ahsen)" [= in the leaves of *Potamogeton natans* . . . (Werse at Münster; Ahsen guhr pond)] in Kieffer & Thienemann, 1909: *Jahresberichte*

des Westfälischen Provinzial-Vereins für Wissenschaft und Kunst **37**: 31◄‖ [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 331, "Umgebung von Münster, Westfalen, Deutschland"] [= vicinity of Münster, Westphalia, Germany]. — Distr.: **PA**: Austria, Belgium, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Ireland, Latvia, Lithuania, Moldova, Morocco, Netherlands, Poland, Russia (CET, NET, East Siberia, West Siberia), Slovakia, Sweden.

brunettii KIEFFER, 1913: *Records of the Indian Museum* **9**(3): 125 (*Cricotopus*). Type-localities: [India, West Bengal] "Kurseong, Himalaya Oriental, altitude de 5000 pieds" [= Kurseong, Eastern Himalayas, altitude of 5000 feet]; [India, West Bengal] "Darjiling, à une altitude de 6000 pieds" [= Darjiling, at an altitude of 6000 feet]. — Distr.: **OR**: India (West Bengal). [**Note**]

dobrogicus ALBU, 1964: *Revue Roumaine de Biologie, Série de Zoologie* **9**(5): 307 (*Cricotopus*). Type-localities: {Rumania} [= Romania] "from the pond system Crapina-Jijila (inundable region of the Danube)"; "Taşaul Lake (North of Constanța)". — Distr.: **PA**: Romania. [**Note**]

dobroginus: incorrect subsequent spelling.

flavibasis MALLOCH, 1915: *Bulletin of the Illinois State Laboratory of Natural History* **10**: 502 (*Cricotopus*). Type-locality: [U.S.A.] "Urbana, Ill." [Ill. = Illinois] [Lectotype designation in Frison, 1927: *Bulletin of the Illinois State Natural History Survey* **16**: 170, [U.S.A.] "Urbana, Illinois"]. — Distr.: **NE**: Canada (Alberta, British Columbia), U.S.A. (Illinois, South Dakota).

flavipes JOHANNSEN, 1942: *Entomological News* **53**(3): 73 (*Cricotopus*). Type-locality: [U.S.A.] "Ocqueoc Lake, Presque Isle County, MICHIGAN". — Distr.: **NE**: U.S.A. (Connecticut, Michigan, New York, Ohio).

glacialis EDWARDS, 1922: *Annals and Magazine of Natural History* (9) **10**: 209 (*Cricotopus*). Type-localities: [Norway] "Spitzbergen: Bruce City, head of Klaas Billen Bay"; "N. Edinburgh Island (S.W. of Prince Charles' Foreland): . . . rocky beach just above high tide" [Lectotype designation in Hirvenoja, 1973:

Annales Zoologici Fennici **10**: 284]. — Distr.: **PA**: Iceland, Italy, Novaya Zemlya, Russia (CET, NET, East Siberia), Spitzbergen.

glacialis: **not Nearctic**.

hoffrichteri ASHE & O'CONNOR, 2012: *A World Catalogue of Chironomidae (Diptera). Part 2. Orthocladiinae*: 2 (*Cricotopus* (*Isocladius*); as nom. nov. for *Cricotopus* (*Isocladius*) *albipes* Chaudhuri & Ghosh, 1980, nec *Isocladius albipes* Kieffer, 1909). — Distr.: **OR**: India (West Bengal).

albipes CHAUDHURI & GHOSH, 1980: *Aquatic Insects* **2**(3): 148 (*Cricotopus*). Type-locality: {India} "West Bengal, Darjeeling". **Preoccupied**. Junior secondary homonym of *Isocladius albipes* Kieffer, 1909 – the latter is a junior synonym of *Cricotopus* (*Isocladius*) *sylvestris* (Fabricius, 1794).

inawaneous SASA, KITAMI & SUZUKI, 2000: *Memoirs of the Museum of Dr. Hideyo Noguchi*: 18 (*Cricotopus* (*Isocladius*)). Type-locality: [Japan] [Title, p. 2] "Lake Inawashiro, Fukishima Prefecture". — Distr.: **PA**: Japan.

intersectus (STAEGER, 1839): *Naturhistorisk Tidsskrift* (1) **2**: 574 (*Chironomus*). Type-locality: [Title, p. 549] "Danmark" [= Denmark] [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 311, "Dänemark"] [= Denmark]. — Distr.: **NE**: Canada (Manitoba, Saskatchewan), U.S.A. (North Carolina, Ohio); **PA**: Austria, Belarus, Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Iceland, Ireland, Italy, **?**Kaliningrad, Latvia, Mongolia, Netherlands, Norway, Novaya Zemlya, Poland, Russia (CET, NET, SET, Far East), Slovakia, Spain, Sweden, Switzerland, Turkey, Ukraine. Junior primary homonym of *Chironomus intersectus* Meigen, 1838 – the latter is a nomen dubium in the Subfamily Chironominae. [**Note**]

incisuratus (ZETTERSTEDT, 1850): *Diptera Scandinaviæ disposita et discripta* **9**: 3552 (*Chironomus*; as nom. nov. for *Chironomus intersectus* Staeger, 1839, nec *Chironomus intersectus* Meigen, 1838).

stenosandalum KIEFFER, 1921: *Bulletin de la Société d'Histoire Naturelle de la*

Moselle **29**: 89 (*Cricotopus*). Type-locality: [Germany] "Sleswig-Holstein, grand lac de Ploen" [= Schleswig-Holstein, Grosser Plöner See].

scirpicola (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 92 (*Trichocladius*). Type-locality: [Germany] "Holstein : lac Bischofsee, larves dans *Scirpus*" [= Holstein : lake Bischofsee, larvae in *Scirpus*]. [**Note**]

stipitum (KIEFFER, 1926): *Annales de la Société Scientifique de Bruxelles, 1re partie (Comptes Rendus)* **45**: 101 (*Trichocladius*). Type-locality: [Germany] "Holstein : lac Dicksee" [Dicksee = Dieksee].

? *conjungens* (KIEFFER in THIENEMANN & KIEFFER, 1916): *Archiv für Hydrobiologie Supplement* **2**(3): 531 (*Trichocladius*). Type-locality: {Sweden} [note, bottom of p. 534] "in Jönköping am Ufer des Vättern" [= in Jönköping on the shore of Vättern]. **Questionable synonym**. [**Note**]

conjugens: incorrect subsequent spelling.

? *algicola* (KIEFFER, 1923): *Annales de la Société Scientifique de Bruxelles, 2e partie (Mémoires)* **42**: 155 (*Trichocladius*). Type-locality: [Germany] "Slesvig-Holstein : Grand lac de Plön" [= Schleswig-Holstein : Grosser Plöner See]. **Questionable synonym**. [**Note**]

algiicola: incorrect subsequent spelling.

? *fuscinervis* (KIEFFER, 1923): *Annales de la Société Scientifique de Bruxelles, 2e partie (Mémoires)* **42**: 158 (*Trichocladius*). Type-locality: [Germany] "Slesvig-Holstein : Grand lac de Plön" [= Schleswig-Holstein : Grosser Plöner See]. **Questionable synonym**.

? *albicauda* (KIEFFER, 1923): *Annales de la Société Scientifique de Bruxelles, 2e partie (Mémoires)* **42**: 159 (*Trichocladius*). Type-locality: [Germany] "Slesvig-Holstein : Petit Lac de Plön . . . larves vivant sur *Potamogeton*" [= Schleswig-Holstein : Kleiner Plöner See . . . larvae living on *Potamogeton*]. **Questionable synonym**.

? *genevensis* (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 87 (*Trichocladius*). Type-locality: [Switzerland] "lac de Genève, à

500 mètres du bord" [= Lake Geneva, 500 metres from the shore]. **Questionable synonym**.

? *ciliaris* (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 87 (*Trichocladius*; as var. of *genevensis* Kieffer, 1924). Type-locality: [Switzerland] "Capturé en bateau, sur le lac de Constance, au-dessus d'une profondeur de 240 mètres" [= Collected on a boat, on Lake Constance, over a depth of 240 metres]. **Questionable synonym**.

? *turfaceus* (KIEFFER, 1929): *Schriften der Physikalisch-Ökonomischen Gesellschaft zu Königsberg* **66**: 300 (*Acricotopus*). Type-locality: [Russia, Kaliningrad Region] "Zehlaubruch . . . Inselblänkenwäldchen" [Zehlaubruch moorland. . . Inselblänken small woodland]. **Questionable synonym**.

laetus HIRVENOJA, 1973: *Annales Zoologici Fennici* **10**: 264 (*Cricotopus* (*Isocladius*)). Type-locality: "aus Tvärminne, Südfinnland" [= from Tvärminne, southern Finland]. — Distr.: **NE**: Canada (Ontario); **PA**: Finland, Germany, Kaliningrad, Lithuania, Mongolia, Morocco, Netherlands, Romania, Russia (NET, Far East).

laricomalis EDWARDS, 1932: *Scottish Naturalist* **194**: 46 (*Cricotopus*). Type-locality: [Great Britain] "Loch Kinardochy (north of Glen Lyon)". — Distr.: **NE**: Canada (Nunavut, Québec), Greenland, U.S.A. (Alaska); **PA**: Austria, Belarus, Bulgaria, Finland, France, Germany, Great Britain, Ireland, Italy, Kaliningrad, Mongolia, Netherlands, Norway, Novaya Zemlya, Romania, Russia (CET, NET, East Siberia), Spain, Sweden, Switzerland, Ukraine.

caliginosus (GOETGHEBUER, 1950): *Bulletin de l'Institut Royal des Sciences Naturelles de Belgique* **26**(47): 10 (*Trichocladius*). Type-locality: [Austria] "Environs de Wattener Lizum (2200 m)" [= vicinity of Wattener Lizum (2200)] [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 322, "Environs de Wattener Lizum (2200 m) . . . Österreich" [= vicinity of Wattener Lizum (2200) . . . Austria].

lebetis SUBLETTE, 1964: *Tulane Studies in Zoology* **11**: 118 (*Cricotopus*). Type-locality: [U.S.A.] "U. S. Fish Hatchery, Natchitoches, Louisiana". — Distr.: **NE**: U.S.A.

(Florida, Louisiana). [**Note**]

maurii SPIES & SÆTHER, 2004: *Zootaxa* **752**: 20 (*Cricotopus* (*Isocladius*); as nom. nov. for *Cricotopus* (*Isocladius*) *polychaetus* Hirvenoja, 1989 nec *Trichocladius polychaetus* Kieffer, 1923). — Distr.: **PA**: Finland.

polychaetus HIRVENOJA, 1989: *Spixiana* **12**(3) 277 (*Cricotopus* (*Isocladius*)). Type-locality: {Finland} "Riihimäki". **Preoccupied**. Junior secondary homonym of *Trichocladius polychaetus* Kieffer, 1923 – the latter is a junior synonym of *Cricotopus* (*Cricotopus*) *gelidus* (Kieffer, 1922).

mongolreseus SASA & SUZUKI, 1997: *Japanese Journal of Tropical Medicine and Hygiene* **25**(4): 172 (*Cricotopus* (*Isocladius*)). Type-locality: {Mongolia} "Bogd". — Distr.: **PA**: Mongolia.

myriophylli OLIVER, 1984: *Canadian Entomologist* **116**(10): 1287 (*Cricotopus* (*Isocladius*)). Type-locality: "Canada. British Columbia, Okanagan Lake". — Distr.: **NE**: Canada (British Columbia, Ontario), U.S.A. (Minnesota, New York).

obnixus (WALKER, 1856): *Insecta Britannica Diptera* **3**: 165 (*Chironomus*). Type-locality: [Great Britain] "(E.)" [= England]. — Distr.: **PA**: Austria, Finland, Germany, Great Britain, Ireland, Netherlands, Poland, Russia (East Siberia, Far East), Sweden, Switzerland, Turkey, Ukraine.

obtusus HIRVENOJA, 1973: *Annales Zoologici Fennici* **10**: 320 (*Cricotopus* (*Isocladius*)). Type-locality: "Riihimäki, Finnland" [Finnland = Finland]. — Distr.: **PA**: Finland, Mongolia, Russia (CET, NET, East Siberia).

ornatus (MEIGEN, 1818): *Systematische Beschreibung* **1**: 43 (*Chironomus*). Type-locality: [Germany] "Kiel" [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 259, "Kiel, Deutschland"] [= Kiel, Germany]. — Distr.: **NE**: Canada (Manitoba, Nunavut, Ontario, Saskatchewan, Yukon Territory), U.S.A. (Alaska, California, New York); **PA**: Algeria, Austria, Azores, Belgium, Bulgaria, Canary Islands, Croatia, Czech Republic, Denmark, Egypt, Finland, France, Germany, Great Britain, Hungary, Ireland, Israel, Italy, Lebanon,

Madeira, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET, SET, East Siberia, ?Far East), Slovakia, Slovenia, Spain, Sweden, Syria, Turkey.

amasia (MEIGEN, 1830): *Systematische Beschreibung* **6**: 251 (*Chironomus*; as "*Amasia*"). Type-locality: [Title] "europäischen" [= European] [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 259].

obscurimanus (ZETTERSTEDT, 1850): *Diptera Scandinaviæ disposita et discripta* **9**: 3564 (*Chironomus*). Type-locality: [Sweden] "in Scaniæ . . . in Scania prope urbem Skanör" [= in Skåne . . . in Skåne Province near the town of Skanör].

atritarsis KIEFFER, 1915: *Archiv für Hydrobiologie Supplement* **2**(2): 475 (*Cricotopus*). Type-locality: [Germany] "Sassendorf".

kroeberi GOETGHEBUER, 1935: *Encyclopédie Entomologique, B-II, Diptera* **8**: 6 (*Cricotopus*; as "*Kröberi*"). Type-locality: [Germany] "Oldeslœ in Holstein" [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 260, "Oldesloe, Holstein/Deutschland"] [Deutschland = Germany].

Kröberi: incorrect original spelling.

? *oscillator* (MEIGEN, 1818): *Systematische Beschreibung* **1**: 44 (*Chironomus*). Type-locality: [Title] "europäischen" [= European]. **Questionable synonym**.

? *fuscimanus* (MEIGEN, 1830): *Systematische Beschreibung* **6**: 251 (*Chironomus*). Type-locality: [Title] "europäischen" [= European]. **Questionable synonym**.

? *hirtimanus* KIEFFER, 1915: *Archiv für Hydrobiologie Supplement* **2**(2): 475 (*Cricotopus*). Type-localities: [Germany] "Westfalen: Münsterland" [= Westphalia: Münster country]; "Sassendorf". **Questionable synonym**.

? *angorensis* KIEFFER, 1918: *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 123 (*Cricotopus*; as var. of *carnosus* Kieffer, 1912). Type-locality: [Turkey] "Asie-Mineure : Angora" [= Asia-Minor : Ankara]. **Questionable synonym**.

? *halobius* KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1re partie (Comptes Rendus)* **44**: 385 (*Cricotopus*). Type-locality: [Germany (not

Sweden)] "Suède : larve dans l'eau salée" [= Sweden : larva in saltwater] ‖►Type-locality: [Germany] [p. 110] "Eine Imago aus I", i.e. [p. 103] "I. Brennermoor, am rechten Traveufer oberhalb von Oldesloe" [= One Imago from locality I, i.e. Brenner Moor, on the right bank of the Trave River above Oldesloe] in Thienemann, 1926: *Mitteilungen der Geographischen Gesellschaft und des Naturhistorischen Museums in Lübeck* (2 Reihe) **31**: 103, 110◄‖. **Questionable synonym**. [**Note**]

oryzaphagos REE & KIM, 1998: *Korean Journal of Biological Sciences* **2**(3): 309 (*Cricotopus*). Type-locality: [South Korea] "Chang-ri, Buseok-myon, Seosan-si, Chungchongnam-do". — Distr.: **PA**: South Korea.

perniger (ZETTERSTEDT, 1850): *Diptera Scandinaviæ disposita et discripta* **9**: 3524 (*Chironomus*). Type-locality: [Sweden] "in Jemtlandia boreali . . . ad . . . Skalstugan prope jugum alpinum" [= in northern Jämtland . . . at . . . Skalstugan near the mountain summit]. — Distr.: **PA**: Finland, Netherlands, Norway, Poland, Russia (Far East), Slovakia, Sweden. [**Note**]

pilicauda HIRVENOJA, 1973: *Annales Zoologici Fennici* **10**: 272 (*Cricotopus* (*Isocladius*)). Type-locality: "aus Muonio, Finnisch-Lappland" [= from Muonio, Finnish Lapland]. — Distr.: **PA**: Finland, Romania.

pilitarsis (ZETTERSTEDT, 1850): *Diptera Scandinaviæ disposita et discripta* **9**: 3565 (*Chironomus*). Type-locality: "in Svecia boreali . . . in Jemtlandia ad . . . Rätan . . . ad radicem alpis Åreskutan" [= in northern Sweden . . . in Jämtland at . . . Rätan . . .at the base of Åreskutan mountain] [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 268, "Åreskutan, Jämtland, Schweden"] [Schweden = Sweden]. — Distr.: **NE**: Canada (Saskatchewan), U.S.A. (New York); **PA**: Austria, Belgium, Denmark, Finland, France, Germany, Great Britain, Ireland, Netherlands, Norway, Poland, Romania, Russia (CET, NET), Spain, Sweden.

reductus HIRVENOJA, 1973: *Annales Zoologici Fennici* **10**: 330 (*Cricotopus* (*Isocladius*)). Type-locality: "aus Enontekiö (gegenüber Karesuando in Schweden), Finnisch-

Lappland" [= from Enontekiö (opposite Karesuando in Sweden), Finnish Lapland]. — Distr.: **PA**: Finland, Sweden. [**Note**]

relucens HIRVENOJA, 1973: *Annales Zoologici Fennici* **10**: 273 (*Cricotopus* (*Isocladius*)). Type-locality: "aus Puruvesi, Punkasalmi, Südfinnland" [= from Puruvesi, Punkasalmi, southern Finland]. — Distr.: **PA**: Austria, Finland, Germany, Netherlands.

reversus HIRVENOJA, 1973: *Annales Zoologici Fennici* **10**: 305 (*Cricotopus* (*Isocladius*)). Type-locality: "aus Riihimäki, Südfinnland" [= from Riihimäki, southern Finland]. — Distr.: **PA**: Austria, Bulgaria, Czech Republic, Estonia, Finland, Germany, Great Britain, Hungary, Ireland, Netherlands, Romania, Russia (CET, NET, Far East), Sweden, Switzerland, Turkey.

shilovae ZELENTZOV, 1989: *Trudy Instituta Biologii Vnutrennikh Vod* **56**(59): 215 (*Cricotopus*). Type-locality: [Tajikistan] **oz. Yashil′kul′, Vostochnyi Pamir, Gorno-Badakhshanskaya avtonomnaya obl.** [= Lake Yashil′-Kul, Eastern Pamir, Gorny-Badakhshan Autonomous Oblast]. — Distr.: **PA**: Mongolia, Tajikistan.

socolovae: incorrect subsequent spelling.

spatulicornis (KIEFFER, 1911): *Records of the Indian Museum* **6**(3): 177 (*Trichocladius*). Type-locality: [India] "Between Manihari and Manshahi, E. B. S. Ry., Bengal, on railway track" [E. B. S. Ry = Eastern Bengal State Railway]. — Distr.: **OR**: India (West Bengal). [**Note**]

speciosus GOETGHEBUER, 1921: *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 170 (*Cricotopus*). Type-locality: {Belgique} [p. 190] "Rouge-Cloître (M. B.)" [M. B. = Moyenne Belgique], [Belgique = Belgium]. — Distr.: **PA**: Austria, Belgium, France, Germany, Great Britain, Netherlands, Russia (CET, NET, East Siberia), Spain.

subletteorum SPIES, 1999: *Journal of the Kansas Entomological Society* **71**(3): 199 (*Cricotopus* (*Isocladius*)). Type-locality: "USA, California, Orange County, Huntington Beach, Fountain Valley Channel between Garfield Ave. and

Bushard St.". — Distr.: **NE**: U.S.A. (California, New Mexico).

suspiciosus HIRVENOJA, 1973: *Annales Zoologici Fennici* **10**: 286 (*Cricotopus* (*Isocladius*)). Type-locality: "aus dem Fluss Oulanka, Kuusamo, Nordfinnland" [= from the river Oulanka, Kuusamo, northern Finland]. — Distr.: **PA**: Bulgaria, Finland, France, **?**Sweden, Turkey.

sylvestris (FABRICIUS, 1794): *Entomologia systematica* **4**: 252 (*Tipula*). Type-locality: [Germany] "Habitat Kieliae" [= Dwells in Kiel]. — Distr.: **NT**: Guatemala; **NE**: Canada (Newfoundland and Labrador, Nunavut, Ontario, Prince Edward Island, Saskatchewan, Yukon Territory), Mexico (Guanajuato, Mexico State), U.S.A. (Alabama, Alaska, Arkansas, California, Florida, Georgia, Kansas, Minnesota, New Mexico, New York, North Carolina, Ohio, South Carolina); **PA**: Afghanistan, Albania, Algeria, Austria, Azores, Balearic Islands, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Canary Islands, China (Hebei, Liaoning), Czech Republic, Denmark, Estonia, Faroe Islands, Finland, France, Germany, Great Britain, Hungary, Iceland, Ireland, Israel, Iran, Italy, Japan, Kaliningrad, Latvia, Lebanon, Lithuania, Luxembourg, Macedonia, Madeira, Moldova, Mongolia, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET, SET, East Siberia, Far East), Sardinia, Sicily, Slovakia, South Korea, Spain, Sweden, Switzerland, Syria, Tunisia, Turkey, Ukraine, ¶Yugoslavia; **OR**: China (Fujian, Hubei), Indonesia (Java), Taiwan.

albipes (KIEFFER, 1909): *Bulletin de la Société d'Histoire Naturelle de Metz* **26**: 44 (*Isocladius*; as "*Albipes*"). Type-locality: {Allemagne} [= Germany] "Larve dans les eaux sales. Westphalie" [= larva in saline water Westphalia] ‖►Type-locality: [Germany] "wie vorige Art" [= like the previous species], i.e. "in der Schondelle, einem Nebenbach der Emscher" [= in the Schondelle, a secondary creek of the Emscher], in Kieffer & Thienemann, 1909: *Jahresberichte des Westfälischen Provinzial-Vereins für Wissenschaft und Kunst* **37**: 36◄‖ [Lectotype designated in Hirvenoja, 1989: *Spixiana* **12**(3): 277, " Schondelle, Westfalen, Germany"]. Senior secondary homonym of *Cricotopus albipes*

Chaudhuri & Ghosh, 1980.

longipalpis KIEFFER, 1909: *Bulletin de la Société d'Histoire Naturelle de Metz* **26**: 45 (*Cricotopus*; as "*Longipalpis*"). Type-localities: {Allemagne} [= Germany] "Thuringe" [= Thüringia]; "Westphalie" [= Westphalia] [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 277, "Thuringen und Westfalen/Deutschland"] [= Thuringia and Westphalia/Germany].

petiolatus KIEFFER, 1909: *Bulletin de la Société d'Histoire Naturelle de Metz* **26**: 45 (*Cricotopus*; as "*Petiolatus*"). Type-locality: {Allemagne} [= Germany] "Hörde en Westphalie" [= Hörde in Westphalia] ‖►Type-locality: [Germany, Westphalia] "mit *Chironomus distans* zusammen" [= together with *Chironomus distans*], i.e. "Stauteiches der Emscher an der Buschmühle" [= storage pond of the Emscher on the Buschmühle], in Kieffer & Thienemann, 1909: *Jahresberichte des Westfälischen Provinzial-Vereins für Wissenschaft und Kunst* **37**: 36◄‖, [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 277, [Germany, Westphalia] "Stauteiches der Emscher an der Buschmühle"] [= storage pond of the Emscher on the Buschmühle].

crassus (KIEFFER, 1915): *Entomologiske Meddelelser* **10**: 295 (*Dactylocladius*). Type-locality: [Title] "dänische" [= Danish, i.e. Denmark] [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 278, "Dänemark"] [= Denmark]. [**Note**]

saxicola KIEFFER in THIENEMANN & KIEFFER, 1916: *Archiv für Hydrobiologie Supplement* **2**(3): 511 (*Cricotopus*). Type-locality: {Sweden} "Felstümpel am Kullen" [= rockpools at Kullen]. [**Note**]

superans KIEFFER in THIENEMANN & KIEFFER, 1916: *Archiv für Hydrobiologie Supplement* **2**(3): 537 (*Cricotopus*; as var. of *saxicola* Kieffer, 1916). Type-locality: {Sweden} "Huskvana in der Aa" [= Huskvana in the Aa]. [**Note**]

suecicola KIEFFER in THIENEMANN & KIEFFER, 1916: *Archiv für Hydrobiologie Supplement* **2**(3): 537 (*Cricotopus*). Type-locality: {Sweden} "am Ufer des Vättern vor Jönköping" [= on the shore of Vättern before Jönköping] [Lectotype

designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 278, "Vättern vor Jönköping, Schweden"] [= Vättern before Jönköping, Sweden].

attenuatus KIEFFER, 1921: *Archiv für Hydrobiologie Supplement* **2**(4): 800 (*Cricotopus*). Type-locality: [Germany] "Westfalen: über der Kläranlage von Soest" [= Westphalia: above the treatment plant in Soest] [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 278, "Westfalen: über der Kläranlage von Soest»/Deutschland" [= Westphalia: above the treatment plant in Soest»/Germany].

pallidus KIEFFER, 1921: *Archiv für Hydrobiologie Supplement* **2**(4): 802 (*Cricotopus*). Type-locality: [Germany] "Westfalen" [= Westphalia] ‖►Type-locality: [Germany, Westphalia] "Teichgut Auerhof bei Herzkamp, Larven zwischen Algen eines Forellenteiches" [= Teichgut Auerhof near Herzkamp, larvae among algae in a trout pond], in Thienemann, 1919: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst (Zoologische Sektion)* **47**: 25◄‖.

praecox GOETGHEBUER, 1942: *Bulletin du Musée Royal d'Histoire Naturelle de Belgique* **18**(46): 11 (*Cricotopus*). Type-locality: "Belgique : Mont-St-Amand" [Belgique = Belgium] [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 278, "Belgien . . . Mt. St. Amand"] [= Belgium . . . Mont-St-Amand].

thermicola (TUXEN, 1944): *Zoology of Iceland* **1**(11): 89 (*Eucricotopus*; as form of *sylvestris* Fabricius, 1794). Type-localities: {Iceland, hot springs} "Sundlaug, Reykir"; "Skagafjarðarsýsla"; "Egilsstaðir". [**Note**]

? *motatrix* (LINNAEUS, 1758): *Systema naturæ* (10th Edition) **1**: 587 (*Tipula*). Type-locality: "Habitat in Europa" [= Dwells in Europe]. **Questionable synonym**.

motitatrix: incorrect subsequent spelling.

? *annulipes* (MEIGEN, 1818): *Systematische Beschreibung* **1**: 42 (*Chironomus*). Type-locality: [Germany] "Kiel". Senior secondary homonym of *Cricotopus* (*Isocladius*) *annulipes* (Goetghebuer, 1921), a synonym of *Cricotopus*

(*Cricotopus*) *cylindraceus* (Kieffer, 1908). **Questionable synonym**.

? *marginatus* (MACQUART, 1826): *Recueil des Travaux de la Société d'Amateurs des Sciences, de l'Agriculture et des Arts de Lille* **1823-1824**: 204 (*Chironomus*). Type-locality: [Title] "Nord de la France" [= northern France]. **Questionable synonym**.

? *amoenus* (MEIGEN, 1838): *Systematische Beschreibung* **7**: 10 (*Chironomus*). Type-locality: "Hiesige Gegend" [= from the local region (where Meigen lived), i.e. Stolberg, near Aachen in Germany]. **Questionable synonym**.

? *fuscitarsis* KIEFFER, 1915: *Archiv für Hydrobiologie Supplement* **2**(2): 476 (*Cricotopus*). Type-locality: [Germany] "Sassendorf". **Questionable synonym**.

? *limnobius* KIEFFER in THIENEMANN, 1916: *Verhandlungen des Naturhistorischen Vereins der Preussischen Rheinlande, Westfalens und des Regierungsbezirks Osnabrück* **72**: 54 (*Cricotopus*). Type-locality: [Germany, Rhineland] [p. 14] "Holzmaar". **Questionable synonym**. [**Note**]

? *variiforceps* KIEFFER in THIENEMANN, 1916: *Verhandlungen des Naturhistorischen Vereins der Preussischen Rheinlande, Westfalens und des Regierungsbezirks Osnabrück* **72**: 55 (*Cricotopus*). Type-locality: [Germany, Rhineland] [p. 14] "Ulmener Maar". **Questionable synonym**. [**Note**]

? *fusciforceps* KIEFFER, 1921: *Archiv für Hydrobiologie Supplement* **2**(4): 803 (*Cricotopus*). Type-locality: [Germany] "Rheinland: Ruhr bei Ackerfähre" [= Rheinland: Ruhr near Ackerfähre]. **Questionable synonym**.

? *tarsalis* KIEFFER, 1921: *Archiv für Hydrobiologie Supplement* **2**(4): 805 (*Cricotopus*; as var. of *limnanthemi* Kieffer, 1910). Type-locality: [Germany] "Westfalen, Larven in einem Gartentümpel in Münster" [= Wetsphalia, larvae in a garden pond in Münster] ‖►Type-locality: [Germany] "aus einem Freilandaquarium der Landwirtschaftlichen Versuchsstation Münster" [= from an outdoor aquarium of the Agricultural Experimental Station Münster] in Thienemann, 1919: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst (Zoologische Sektion)* **47**: 25◄‖. **Questionable**

synonym.

? *tarsalis* THIENEMANN, 1919: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst (Zoologische Sektion)* **47**: 25 (*Cricotopus*; as var. of *limnanthemi* Kieffer, 1910). Locality: [Germany] "aus einem Freilandaquarium der Landwirtschaftlichen Versuchsstation Münster" [= from an outdoor aquarium of the Agricultural Experimental Station Münster]. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**. **Questionable synonym**.

taiwanus TOKUNAGA, 1940: *Philippine Journal of Science* **72**(3): 285 (*Cricotopus*). Type-locality: [Taiwan] "Sizyukei, Formosa". — Distr.: **OR**: Taiwan.

tamannulatus SASA, 1981: *Research Report from the National Institute for Environmental Studies* **29**: 14 (*Cricotopus*). Type-locality: {Japan, Tama River, Minamiasakawa River} "Station No. 1". — Distr.: **PA**: Japan.

tenuisetosus CHAUDHURI & GHOSH, 1980: *Aquatic Insects* **2**(3): 150 (*Cricotopus*). Type-locality: {India} "West Bengal, Darjeeling". — Distr.: **OR**: India (West Bengal). [**Note**]

tonecedeus SASA & TANAKA, 2000: *Annual Report of Gunma Prefecture Institute of Public Health and Environmental Sciences* **32**: 39 (*Cricotopus* (*Cricotopus*)). Type-locality: {Japan} [Title, p. 38] "Tone River, Gunma Prefecture"; [p. 39] "at Taisho Bridge". — Distr.: **PA**: Japan.

tricinctus (MEIGEN, 1818): *Systematische Beschreibung* **1**: 41 (*Chironomus*). Type-locality: [Title] "europäischen" [= European] [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 299]. — Distr.: **NE**: Canada (British Columbia, Saskatchewan), U.S.A. (New York, Ohio, Texas, Utah); **PA**: Algeria, Austria, Belgium, Bulgaria, Croatia, Denmark, Estonia, Finland, France, Germany, Great Britain, Ireland, Italy, Japan, Latvia, Lebanon, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET), Slovakia, South Korea, Spain, Sweden, Switzerland, Turkey. .

hyalinus KIEFFER, 1921: *Archiv für Hydrobiologie Supplement* **2**(4): 803 (*Cricotopus*). Type-locality: [Germany] "Rheinland, Ruhr bei Mülheim, Larve in *Glyceria* minierend" [= Rheinland, Ruhr at Mülheim, larva mining in *Glyceria*] [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 301, "Ruhr bei Mülheim/ Deutschland"] [= Ruhr at Mülheim/ Germany].

trifasciatus (MEIGEN in PANZER, 1810): *Favnae Insectorvm Germanicae initia oder Devtschlands Insecten* Heft **109**: 18 (*Chironomus*; as "*Chironomvs*"). Type-locality: [Title] "Devtschlands" [= Deutschlands = Germany]. — Distr.: **NE**: Canada (British Columbia, Ontario), U.S.A. (Florida, Idaho, Louisiana, Michigan, Missouri, New Mexico, New York, North Carolina, Ohio, South Carolina); **PA**: Algeria, Albania, Austria, Belgium, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Japan, Latvia, Lebanon, Macedonia, Mongolia, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET, East Siberia, Far East), Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey; **OR**: China (Fujian, Zhejiang).

limnanthemi KIEFFER, 1910: *Bulletin de l'Académie Royale de Belgique, Classe des Sciences* **1910** (1): 37 (*Cricotopus*). Type-locality: Not given ‖ ►Type-locality: [Belgium] "à la surface de la Lys, près de Gand" [= on the surface of the Lys, near Gand], in Willen, 1910: *Bulletin de l'Académie Royale de Belgique, Classe des Sciences* **1910** (1): 33◄‖.

truncatus KIEFFER, 1913: *Bulletin de la Société Entomologique de France* **1913**: 280 (*Cricotopus*; as var. of *limnanthemi* Kieffer, 1910). Type-locality: "Allemagne" [= Germany] ‖ ►Type-locality: [Germany, Rhineland] "zwischen Uferpflanzen des Holzmaars" [= among shore plants of the Holzmaar], in Thienemann, 1916: *Verhandlungen des Naturhistorischen Vereins der Preussischen Rheinlande, Westfalens und des Regierungsbezirks Osnabrück* **72**: 15◄‖. Senior secondary homonym of *Trichocladius truncatus* Kieffer, 1923 – the latter is a questionable synonym of *Cricotopus* (*Cricotopus*) *annulator* Goetghebuer, 1927. **Syn. nov**.

scutellaris KIEFFER, 1913: *Bulletin de la Société Entomologique de France* **1913**: 280

(*Cricotopus*; as var. of *limnanthemi* Kieffer, 1910): Type-locality: "Allemagne" [= Germany] ‖►Type-locality: [Germany, Rhineland] "Wie vorige Varietät" [= With the previous variety (*Cricotopus limnanthemi* var. *truncatus* Kieffer)], i.e. "zwischen Uferpflanzen des Holzmaars" [= among shore plants of the Holzmaar], in Thienemann, 1916: *Verhandlungen des Naturhistorischen Vereins der Preussischen Rheinlande, Westfalens und des Regierungsbezirks Osnabrück* **72**: 15◄‖ [Lectotype designated in Hirvenoja, 1989: *Spixiana* **12**(3): 276, "Holzmaar, Eifel, Germany"].

prolongatus KIEFFER in THIENEMANN, 1916: *Verhandlungen des Naturhistorischen Vereins der Preussischen Rheinlande, Westfalens und des Regierungsbezirks Osnabrück* **72**: 55 (*Cricotopus*). Type-locality: [Germany, Rhineland] [p. 14] "Schalkenmehrener Maar, in *Polygonum amphibium* minierend" [= Schalkenmehren Maar, mining in *Polygonum amphibium*]. [**Note**]

remus SUBLETTE, 1964: *Tulane Studies in Zoology* **11**: 115 (*Cricotopus*). Type-locality: [U.S.A.] "C.R.L., Natchitoches Parish, Louisiana" [C.R.L. = Cane River Lake].

willemi GRIPEKOVEN, 1913: *Archiv für Hydrobiologie Supplement* **2** [Preprint]: 86, 96 (*Cricotopus*; as "*Willemi*"). Localities: [Germany] "Schalkenmehrener Maar"; "im Pulver- und Holzmaar in der Eifel" [= in Pulver- and Holzmaar in the Eifel]. Name not made available – first proposed in synonymy contrary to Article 11.6 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**. [**Note**]

uresibeceus SASA & SUZUKI, 1998: *Bulletin of Toyama Prefectural Environmental Pollution Research Center* **25**(3): 79 (*Cricotopus* (*Isocladius*)). Type-locality: [Japan] [p. 78] "at Ureshino, Saga . . . at the side of the stream running through the hot spring town of Ureshino" [p. 79] "at Ureshino". — Distr.: **PA**: Japan.

sp.: CRANSTON & MARTIN, 1989: *Catalog of the Diptera of the Australasian and Oceanic Regions*: 259 (*Cricotopus* (*Isocladius*)). Locality: "Australia (Vic)" [Vic =

Victoria]. — Distr.: **AU**: Australia (Victoria).

sp.: WATSON & HEYN, 1993: *Netherlands Journal of Aquatic Ecology* **26**(2/4): 259 (*Cricotopus* (*Isocladius*)). Localities: "Costa Rica . . . A, C, P, S 800 - 1640 m" [= Costa Rica . . . Alajueta, Cartago, Puntaneras & San Jose Provinces 800 - 1640 metres]. — Distr.: **NT**: Costa Rica.

Subgenus **MAURIUS** LEHMANN

MAURIUS LEHMANN, 1981: *Spixiana Supplement* **5**: 17. Type-species: *Cricotopus kisantuensis* Goetghebuer, 1934, by original designation.

kisantuensis GOETGHEBUER, 1934: *Revue de Zoologie et de Botanique Africaines* **25**: 200 (*Cricotopus*; as "*Kisantuensis*"). Type-locality: [Democratic Republic of the Congo] {Congo Belge} "pris à Kisantu" [= caught at Kisantu]. — Distr.: **AF**: Burkina Faso, D.R.Congo, Ghana, Ivory Coast, Mali, Senegal, South Africa.

fulgens FREEMAN, 1953: *Proceedings of the Royal Entomological Society* (B) **22**(7/8): 130 (*Cricotopus*). Type-locality: [South Africa] "Berg River, Wellington".

Subgenus **NOSTOCOCLADIUS** ASHE & MURRAY

NOSTOCOCLADIUS ASHE & MURRAY, 1980: *Chironomidae - Ecology, Systematics, Cytology and Physiology*: 105 (as subgenus of *Cricotopus* Wulp, 1874). Type-species: *Cricotopus lygropis* Edwards, 1929, by original designation.

fuscatus WIRTH, 1957: *Pan-Pacific Entomologist* **33**(3): 124 (*Cricotopus*). Type-locality: [U.S.A.] "Sagehen Creek near Hobart Mills, Nevada County, California". — Distr.: **NE**: U.S.A. (California).

lygropis EDWARDS, 1929: *Transactions of the Entomological Society of London* **77**: 325 (*Cricotopus*). Type-locality: [Great Britain] "Rydal, Westmorland". — Distr.: **PA**: Austria, Belgium, Finland, France, Great Britain, Ireland, Kaliningrad, Poland, Russia (CET, East Siberia, Far East), Spain, Sweden.

nostocicola WIRTH, 1957: *Pan-Pacific Entomologist* **33**(3): 122 (*Cricotopus*). Type-locality:

[U.S.A.] "Sagehen Creek near Hobart Mills, Nevada County, California". — Distr.: **NE**: Canada (Alberta), U.S.A. (California, Georgia, Montana, New York, North Carolina, Ohio, Oregon, South Carolina).

seiryuabeus SASA, SUZUKI & SAKAI, 1999: *Tropical Medicine* **40**(3): 101 (*Cricotopus* (*Cricotopus*)). Type-locality: [Abstract, p. 99] "Shimanto River, western Shikoku Island, Japan"; [p. 101] "Hiromi". — Distr.: **PA**: Japan.

shofukuprimus SASA, 1998: *Bulletin of Toyama Prefectural Environmental Pollution Research Center* **25**(3): 28 (*Cricotopus* (*Nostococladius*)). Type-locality: {Japan} [Abstract, p. 14] "in the Shofuku Garden, . . . about 1 km from the mouth of Kurobe River". — Distr.: **PA**: Japan.

Subgenus **PSEUDOCRICOTOPUS** NISHIDA

PSEUDOCRICOTOPUS NISHIDA, 1987: *Kontyu* **55**(3): 460 (as subgenus of *Cricotopus* Wulp, 1874). Type-species: *Cricotopus montanus* Tokunaga, 1936, by original designation.

bifurcatus CRANSTON & OLIVER, 1988: *Canadian Entomologist* **120**(5): 430 (*Cricotopus* (*Cricotopus*)). Type-locality: "CANADA: British Columbia, Clinton, Loon Lake Fish Hatchery". — Distr.: **NE**: Canada (British Columbia), U.S.A. (Washington).

matudigitatus SASA & KAWAI, 1987: *Bulletin of the Toyama Science Museum* **10**: 34 (*Cricotopus*). Type-locality: {Japan, Stream Itachigawa, Toyama} "on the shore of the Matsukawa at A" [A = Station A]. — Distr.: **PA**: Japan.

montanus TOKUNAGA, 1936: *Tenthedro* **1**(1): 29 (*Cricotopus*). Type-locality: "Japan (Honshu) . . . Kamikochi, Nagano Pref.". — Distr.: **PA**: China (Gansu), Japan, Russia (Far East); **OR**: China (Zhejiang).

nishikiensis NISHIDA, 1987: *Kontyu* **55**(3): 466 (*Cricotopus* (*Pseudocricotopus*)). Type-locality: {Japan} "Jakuchikyo, Nishiki-cho, Yamaguchi Pref.". — Distr.: **PA**: Japan.

osarudigitatus SASA, 1988: *Research Report from the National Institute for Environmental*

Studies **121**: 31 (*Cricotopus*). Type-locality: {Hokkaido, Japan} "at the side of Osaru River". — Distr.: **PA**: Japan.

seiryucedeus SASA, SUZUKI & SAKAI, 1999: *Tropical Medicine* **40**(3): 102 (*Cricotopus* (*Pseudocricotopus*)). Type-locality: [Abstract, p. 99] "Shimanto River, western Shikoku Island, Japan"; [p. 102] "Hiyoshi-mura". — Distr.: **PA**: Japan.

tamadigitatus SASA, 1981: *Research Report from the National Institute for Environmental Studies* **29**: 87 (*Cricotopus*). Type-locality: {Japan, Minamiasakawa River, a tributary of the Tama River} "Station No. 2". — Distr.: **PA**: Japan, Russia (Far East).

Subgenerically unplaced valid species of CRICOTOPUS

albicoma (KIEFFER, 1924): *Annales de la Société Scientifique de Bruxelles, 1re partie (Comptes Rendus)* **43**: 267 (*Acricotopus*). Type-locality: [Indonesia] [p. 262] "de Buitenzorg, en Java" [Buitenzorg = Bogor]. — Distr.: **OR**: Indonesia (Java).

argentinensis (KIEFFER, 1925): *Annales de la Société Scientifique de Bruxelles, 2e partie (Mémoires)* **44**: 84 (*Trichocladius*). Type-locality: [page 73] "Argentine, aux environs de Alta Gracia, province de Cordoba" [= Argentina, in the vicinity of Alta Gracia, province of Cordoba]. — Distr.: **NT**: Argentina.

argutus JOHANNSEN, 1932: *Archiv für Hydrobiologie Supplement* **9**: 721 (*Cricotopus*). Type-locality: [Indonesia] "at a waterfall, Sarangan, Middle Java". — Distr.: **OR**: Indonesia (Java).

atriclavus (KIEFFER, 1923): *Annales de la Société Entomologique de France* **92**: 182 (*Trichocladius*). Type-locality: "Cameroun : Kribi" [Cameroun = Cameroon]. — Distr.: **AF**: Cameroon.

belkini DENDY & SUBLETTE, 1959: *Annals of the Entomological Society of America* **52**: 510 (*Cricotopus*). Type-locality: [U.S.A.] "Wilson Dam, Alabama". — Distr.: **NE**: U.S.A. (Alabama, New Mexico).

bergensis FREEMAN, 1954: *Proceedings of the Royal Entomological Society* (B) **23**(9/10):

173 (*Cricotopus*; as nom. nov. for *Cricotopus angustus* Freeman, 1953, nec *Cricotopus angustus* Goetghebuer, 1927). — Distr.: **AF**: Cameroon, Chad, Ethiopia, Nigeria, Senegal, South Africa, Togo.

angustus FREEMAN, 1953: *Proceedings of the Royal Entomological Society* (B) **22**(7/8): 132 (*Cricotopus*). Type-locality: [South Africa] "Berg River, Piquetberg". **Preoccupied**. Junior primary homonym of *Cricotopus angustus* Goetghebuer, 1927.

brunnicans WALLEY, 1928: *Canadian Entomologist* **60**(1): 21 (*Cricotopus*). Type-locality: [Canada] "Saskatoon, Sask." [Sask. = Saskatchewan]. — Distr.: **NE**: Canada (Saskatchewan), U.S.A. (Michigan).

cantus ROBACK, 1960: *Transactions of the American Entomological Society* **86**(2): 92 (*Cricotopus*). Type-locality: "Hotel Tourista, overlooking Huallaga River, one mile west of Tingo Maria, Peru". — Distr.: **NT**: Peru.

carbonarius KIEFFER, 1923: *Annales de la Société Linnéene de Lyon* **69**: 38 (*Cricotopus*). Type-localities: [Taiwan] {Formosa} "Daitotei"; "Taihoku". — Distr.: **OR**: Taiwan. [**Note**]

carnosus KIEFFER, 1912: *Supplementa Entomologica* **1**: 32 (*Cricotopus*). Type-locality: [Taiwan] [Introduction, p. 27] "Insel Formosa . . . in der Nähe der Hauptstadt Tainan" [= Island of Formosa . . . in the vicivity of the capital Tainan]. — Distr.: **OR**: Taiwan.

crassimanus (KIEFFER, 1917): *Annales Historico-Naturales Musei Nationalis Hungarici* **15**: 362 (*Trichocladius*). Type-locality: "Colombie : Sierra San Lorenzo" [Colombie = Colombia]. — Distr.: **NT**: Colombia.

currani SPIES & REISS, 1996: *Spixiana Supplement* **22**: 76 (*Cricotopus*; as nom. nov. for *Cricotopus insolitus* Curran, 1928, nec *Cricotopus insolitus* Meunier, 1904 (Separate)). — Distr.: **NT**: Puerto Rico. [**Note**]

insolitus CURRAN, 1928: *Scientific Survey of Porto Rico and the Virgin Islands* **11**(1): 11 (*Cricotopus*). Type-locality: "Mayagüez, Porto Rico" [Porto Rico = Puerto Rico]. **Preoccupied**. Junior primary homonym of *Cricotopus insolitus* Meunier,

1904 (a fossil species).

debilis (WILLISTON, 1896): *Transactions of the Entomological Society of London* **1896**: 275 (*Orthocladius*). Type-locality: [Title] "St. Vincent". — Distr.: **NT**: St. Vincent.

dibalteatus FREEMAN, 1956: *Bulletin of the British Museum (Natural History)* Entomology **4**(7): 312 (*Cricotopus*). Type-locality: [South Africa] "CAPE PROVINCE: Platteklip Gorge". — Distr.: **AF**: Ethiopia, South Africa.

diversus BOESEL, 1983: *Ohio Journal of Science* **83**(3): 85 (*Cricotopus*). Type-locality: [U.S.A.] "Put-in-Bay, OH" [OH = Ohio]. — Distr.: **NE**: Canada (Ontario), U.S.A. (Delaware, Michigan, New York, Ohio).

eleanatis ROBACK, 1960: *Transactions of the American Entomological Society* **86**(2): 94 (*Cricotopus*). Type-locality: "Hotel Tourista, one mile west of Tingo Maria, Peru". — Distr.: **NT**: Peru.

formosanus (KIEFFER, 1916): *Annales Historico-Naturales Musei Nationalis Hungarici* **14**: 102 (*Trichocladius*). Type-locality: [Taiwan] {Formosa} "Taihoku". — Distr.: **OR**: Taiwan.

furtivus SUBLETTE & SUBLETTE, 1971: *Entomological News* **82**(4): 99 (*Cricotopus*). Type-locality: [U.S.A.] "Horsethief Creek, 10 miles S. Palm Desert, Riverside County, California". — Distr.: **NE**: U.S.A. (California).

incisus JOHANNSEN, 1932, *Archiv für Hydrobiologie Supplement* **9**: 721 (*Cricotopus*). Type-locality: [Indonesia] "at a waterfall near Tjibodas, West Java". — Distr.: **OR**: Indonesia (Java).

javanus (KIEFFER, 1924): *Annales de la Société Scientifique de Bruxelles, 1re partie (Comptes Rendus)* **43**: 267 (*Acricotopus*). Type-locality: [Indonesia] [p. 262] "de Buitenzorg, en Java" [Buitenzorg = Bogor]. — Distr.: **OR**: Indonesia (Java).

junus ROBACK, 1957: *Monographs of the Academy of Natural Sciences of Philadelphia* **9**: 72 (*Cricotopus*). Type-locality: [U.S.A.] "Tributary of Stony Creek, three quarters of a mile southwest of Norritonville, Pa." [Pa. = Pennsylvania]. — Distr.: **NE**: U.S.A. (Pennsylvania).

nitens (KIEFFER, 1921): *Philippine Journal of Science* **18**: 576 (*Trichocladius*). Type-localities: [Taiwan] "Formose, Daitotei"; "Taihoku". — Distr.: **OR**: Taiwan.

obscurifuscus SUBLETTE & SUBLETTE, 1971: *Entomological News* **82**(4): 96 (*Cricotopus*). Type-locality: [U.S.A.] "Hat Creek, Fall River Mills, Shasta County, California". — Distr.: **NE**: U.S.A. (California).

obscurus FREEMAN, 1953: *Proceedings of the Royal Entomological Society* (B) **22**(7/8): 131 (*Cricotopus*). Type-locality: [South Africa] "Berg River, Wellington". — Distr.: **AF**: Lesotho, **?**Senegal, South Africa, Zimbabwe.

meilloni FREEMAN, 1956: *Bulletin of the British Museum (Natural History)* Entomology **4**(7): 311 (*Cricotopus*). Type-locality: [South Africa] "TRANSVAAL: Tzaneen".

oris ROBACK, 1962: *Notulae Naturae* **355**: 4 (*Cricotopus*). Type-locality: [Panama] "Holbrook Air Force Base, Curundu, Canal Zone". — Distr.: **NT**: Panama.

ornaticrus (KIEFFER, 1925): *Annales de la Société Scientifique de Bruxelles, 2e partie (Mémoires)* **44**: 83 (*Trichocladius*). Type-locality: [page 73] "Argentine, aux environs de Alta Gracia, province de Cordoba" [= Argentina, in the vicinity of Alta Gracia, province of Cordoba]. — Distr.: **NT**: Argentina.

parafuscatus SUBLETTE & SUBLETTE, 1971: *Entomological News* **82**(4): 90 (*Cricotopus*). Type-locality: [U.S.A.] "Whittier Narrows, California". — Distr.: **NE**: U.S.A. (California).

pentazonus (KIEFFER, 1911): *Records of the Indian Museum* **6**(5): 345 (*Trichocladius*). Type-localities: "Himalaya central: Nepal, Thamaspur"; "Tharbani". — Distr.: **OR**: Nepal.

pictiventris (KIEFFER, 1923): *Annales de la Société Entomologique de France* **92**: 184 (*Trichocladius*). Type-locality: "Cameroun : Kribi" [Cameroun = Cameroon]. — Distr.: **AF**: Cameroon, Togo.

purus JOHANNSEN, 1932: *Archiv für Hydrobiologie Supplement* **9**: 720 (*Cricotopus*). Type-locality: [Indonesia] "Buitenzorg, West Java" [Buitenzorg = Bogor]. — Distr.: **OR**: Indonesia (Java).

quadrifasciatus (KIEFFER, 1911): *Transactions of the Linnean Society of London (2nd Series, Zoology)* **14**: 360 (*Trichocladius*). Type-localities: "Seychellen. Mahé: Cascade Estate, about 800 feet and over"; "near Morne Blanc"; "Cascade Estate, about 800—1500 feet"; "Silhouette: marshy plateau of Mare aux Cochons or edge of forest close by". — Distr.: **AF**: Benin, Burkina Faso, Chad, Mali, Niger, Nigeria, Senegal, Seychelles, Togo.

rodriguensis EDWARDS, 1923: *Annals and Magazine of Natural History* (9) **12**: 332 (*Cricotopus*). Type-locality: [Title, p. 330] "Rodriguez Island". — Distr.: **AF**: Réunion, Rodriguez Island.

ruber ROBACK, 1960: *Transactions of the American Entomological Society* **86**(2): 96 (*Cricotopus*; as "*rubrum*"). Type-locality: "Hotel Tourista, overlooking Huallaga River, one mile west of Tingo Maria, Peru". — Distr.: **NT**: Peru. [**Note**]

rubrum: incorrect original spelling.

setis ROBACK, 1960: *Transactions of the American Entomological Society* **86**(2): 93 (*Cricotopus*). Type-locality: "Hotel Tourista, overlooking Huallaga River, one mile west of Tingo Maria, Peru". — Distr.: **NT**: Peru.

sudanicus FREEMAN, 1956: *Bulletin of the British Museum (Natural History)* Entomology **4**(7): 308 (*Cricotopus*). Type-locality: "SUDAN, Wad Madani". — Distr.: **AF**: Burkina Faso, Chad, Nigeria, Sudan.

tricinctellus GOETGHEBUER, 1934: *Revue de Zoologie et de Botanique Africaines* **25**: 201 (*Cricotopus*). Type-locality: [Democratic Republic of the Congo] {Congo Belge} "Kisantu". — Distr.: **AF**: D.R.Congo, **?**Ivory Coast.

verbekei FREEMAN, 1956: *Bulletin of the British Museum (Natural History)* Entomology **4**(7): 313 (*Cricotopus*). Type-locality: [Democratic Republic of the Congo] "BELGIAN CONGO: Mbereze, Baie Pili-Pili". — Distr.: **AF**: D.R.Congo, Nigeria, South Africa, Sudan, Zimbabwe.

zuelis ROBACK, 1960: *Transactions of the American Entomological Society* **86**(2): 93 (*Cricotopus*). Type-locality: "Hotel Tourista, one mile west of Tingo Maria,

Peru". — Distr.: **NT**: Peru.

Nomina dubia in CRICOTOPUS

angarensis LINEVICH, 1953: *Trudy Irkutskogo Gosudarstvennogo Universiteta imeni A. A. Zhdanova* **7**(1/2): 158 (*Cricotopus*). Type-locality: [Russia, East Siberia] **v r. Angare** [= in the River Angara].

asiaticus SINYAGINA, 1958: *Trudy Murgabskoi Gidrobiologicheskoi Stantsii* **4**: 228 (*Cricotopus*). Type-localities: {Turkmenistan} **v zalive № 2 (verkhov′e) Tashkeprinskogo vodokhranilishcha na r. Murgab** [= in bay № 2 (upper reaches) of Tashkeprinskoe Reservoir on the River Murghab]; **v bentose Kelifskikh ozer** [= in the benthos in Kelifskie Lakes]; **v oz. Kargaly** [= in Lake Kargaly]; ** v oz. Chaskak** [= in Lake Chaskak]; **v bentose oz Kara-Shor** [= in the benthos of Lake Kara-Shor]. [**Note**]

balteatus (PHILIPPI, 1866): *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen)* **15**(4): 600 (*Chironomus*). Type-locality: {Chile} "Prope Santiago cepi" [= found near Santiago]. [**Note**]

cryptodentatus SYCHEVA, 1955: *Zametki po faune i flore Sibiri* **18**: 39 (*Cricotopus*). Type-locality: [Russia, West Siberia] [Introduction, p. 39] **Ozero Sovetskoe . . . v verkhov′e reki Turukhana, s kotorym svyazano rechkoi Sovetskoi, vytekayushchei iz ozera** [= Lake Sovetskoe . . . in the upper reaches of the River Turukhan, which is connected to the small River Sovetskaya, that flows out from the lake]. [**Note**]

geminatus (SAY, 1823): *Journal of the Academy of Natural Sciences of Philadelphia* **3**: 14 (*Chironomus*). Type-locality: {United States} "Pennsylvania". [**Note**]

latidentatus CHERNOVSKII, 1949: *Opredeliteli po Faune SSSR, izdavaemye Zoologicheskim Institutom AN SSSR* **31**: 121 (*Cricotopus*). Type-locality: [Russia, Central European Territory] **naidena v r. Mologe** [= found in the River Mologa].

Genus **DIPLOCLADIUS** KIEFFER

DIPLOCLADIUS KIEFFER in KIEFFER & THIENEMANN, 1908: *Zeitschrift für Wissenschaftliche Insektenbiologie* **4**: 6. Type-species: *Diplocladius cultriger* Kieffer, 1908, by monotypy. Senior homonym of *Diplocladius* Kieffer, 1908 (below).

DIPLOCLADIUS KIEFFER, 1908: *Denkschriften der Medizinisch-Naturwissenschaftlichen Gesellschaft zu Jena* **13***:* 157. Type-species: Not given. Junior homonym of *Diplocladius* Kieffer, 1908 (above).

cultriger KIEFFER in KIEFFER & THIENEMANN, 1908: *Zeitschrift für Wissenschaftliche Insektenbiologie* **4**: 6 (*Diplocladius*). Type-locality: [Germany] "Insel Rügen" [= Island of Rügen]. — Distr.: **NT**: Nicaragua; **NE**: Canada (Alberta, Nunavut, Saskatchewan, Québec), Greenland, U.S.A. (Alabama, Connecticut, Georgia, Kansas, Nebraska, New York, North Carolina, Ohio, Pennsylvania, South Carolina, South Dakota); **PA**: Austria, Belgium, China (Liaoning, Shaanxi, Tianjin), Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Japan, Luxembourg, Mongolia, Netherlands, Norway, Novaya Zemlya, Poland, Romania, Russia (CET, NET, East Siberia, Far East), Slovakia, South Korea, Sweden, Turkey. [**Note**]

decipiens (KIEFFER in KIEFFER & THIENEMANN, 1908): *Zeitschrift für Wissenschaftliche Insektenbiologie* **4**: 9 (*Trichocladius*; as "*decipien*"). Type-locality: [Germany] "Insel Rügen" [= Island of Rügen].

decipien: incorrect original spelling.

bilobatus BRUNDIN, 1956: *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 71 (*Diplocladius*). Type-locality: "perennierenden Tümpels am Gipfel des Norddalsfjället, 1050 m, bei Riksgränsen (Schwedisch-Lappland)" [= perennial pond at the summit of Norddalsfjället, 1050 metres, at Riksgränsen (Swedish Lapland)].

decempilosus SÆTHER, 1966: *Norsk Entomologisk Tidsskrift* **13**(3): 176 (*Diplocladius*; as subspecies of *cultriger* Kieffer, 1908). Type-locality: {Norway} "a little brook near Oslo". [**Note**]

montana SÆTHER, 1968: *Archiv für Hydrobiologie* **64**(4): 460 (*Diplocladius*; as subspecies of *cultriger* Kieffer, 1908). Type-locality: {Finse Area, Norway} "Sta. A". [**Note**]

kamitertius SASA & HIRABAYASHI, 1991: *Japanese Journal of Sanitary Zoology* **42**(2): 114 (*Diplocladius*). Type-locality: [Japan] [p. 110] "at Kamikochi"; [p. 114] "around Kappa-bridge".

Genus **DIPLOSMITTIA** SÆTHER

DIPLOSMITTIA SÆTHER, 1981: *Entomologica Scandinavica Supplement* **16**: 29. Type-species: *Diplosmittia harrisoni* Sæther, 1981, by original designation.

aragua PINHO, MENDES & ANDERSEN, 2009: *Studies on Neotropical Fauna and Environment* **44**(3): 171 (*Diplosmittia*). Type-locality: "Venezuela, Aragua, Parque Nacional Henri Pittier, Rancho Grande (10°21.047′N, 67°41.198′W), . . . about 1000 m a.s.l.". — Distr.: **NT**: Venezuela.

beluina ANDERSEN, 1997: *Acta Zoologica Academiae Scientiarum Hungaricae* **42**(2): 128 (*Diplosmittia*). Type-locality: "Costa Rica: Heredia Province, La Selva Biological Station, 10°26'N, 83°59'W". — Distr.: **NT**: Costa Rica. [**Note**]

boraceia PINHO, MENDES & ANDERSEN, 2009: *Studies on Neotropical Fauna and Environment* **44**(3): 173 (*Diplosmittia*). Type-locality: "Brazil, São Paulo State, Salesópolis, Boracéia Biological Station, bridge over rio Claro". — Distr.: **NT**: Brazil.

carinata SÆTHER, 1986: *Spixiana Supplement* **11**: 55 (*Diplosmittia*). Type-locality: "Tonguish Creek, Wm. P. Holiday Park, Cowan Rd, Wayne Co., Michigan, U.S.A.". — Distr.: **NE**: U.S.A. (Georgia, Michigan).

cerayma PINHO, MENDES & ANDERSEN, 2009: *Studies on Neotropical Fauna and Environment* **44**(3): 175 (*Diplosmittia*). Type-locality: "Venezuela, Aragua, Parque Nacional Henri Pittier, Rancho Grande (10º21.047′N, 67º41.198′W), . . . about 1000 m a.s.l.". — Distr.: **NT**: Venezuela.

forficata ANDERSEN, 1997: *Acta Zoologica Academiae Scientiarum Hungaricae* **42**(2): 128

(*Diplosmittia*). Type-locality: "Costa Rica: Heredia Province, La Selva Biological Station, 10°26'N, 83°59'W". — Distr.: **NT**: Costa Rica. [**Note**]

harrisoni SÆTHER, 1981: *Entomologica Scandinavica Supplement* **16**: 30 (*Diplosmittia*). Type-locality: "lower slopes of mountain behind Castries, St. Lucia". — Distr.: **NT**: Costa Rica, Mexico (Campeche), St. Lucia, St. Vincent, Venezuela.

plaumanni PINHO, MENDES & ANDERSEN, 2009: *Studies on Neotropical Fauna and Environment* **44**(3): 177 (*Diplosmittia*). Type-locality: "Brazil, Santa Catarina State, Nova Teutônia (27º11′S, 52º23′W), . . . 300–500 m a.s.l.". — Distr.: **NT**: Brazil, Venezuela.

recisa SÆTHER, 1988: *Spixiana Supplement* **14**: 45 (*Diplosmittia*). Type-locality: "Station Koepke Panguana, about 260 m a. s. l., 9°37′ S, 74°56′ W, Peru". — Distr.: **NT**: Peru, Venezuela.

Genus **DOITHRIX** SÆTHER & SUBLETTE

DOITHRIX SÆTHER & SUBLETTE, 1983: *Entomologica Scandinavica Supplement* **20**: 6. Type-species: *Doithrix villosa* Sæther & Sublette, 1983, by original designation.

amegabei SÆTHER & ANDERSEN, 1996: *Tijdschrift voor Entomologie* **139**(2): 247 (*Doithrix*). Type-locality: "Ghana: Western region, Ankasa Game Production Reserve". — Distr.: **AF**: Ghana.

barberi SÆTHER & SUBLETTE, 1983: *Entomologica Scandinavica Supplement* **20**: 21 (*Doithrix*). Type-locality: "U.S.A. . . . Eureka, Humboldt Co., Ca." [Ca. = California]. — Distr.: **NE**: U.S.A. (California).

dillonae CRANSTON & OLIVER, 1988: *Canadian Entomologist* **120**(5): 432 (*Doithrix*). Type-locality: "CANADA: Nova Scotia, Cape Breton Highlands National Park, QG006770". — Distr.: **NE**: Canada (Nova Scotia), U.S.A. (North Carolina).

doriceni MAKARCHENKO & MAKARCHENKO, 2008: *Evraziatskii Entomologicheskii Zhurnal* **7**(1): 68 (*Doithrix*). Type-locality: Russia "Lotos Lake, about 3 km from Khasan Village, Khasansk region, Primorye Territory, Russian Far East, N 42°28', E 130°38'". — Distr.: **PA**: Russia (Far East).

emeiensis WANG, 1994: *Acta Scientiarum Naturalium Universitatis Nankainensis* **1994**(1): 68 (*Doithrix*). Type-locality: "China;Sichuan Province,Mt. Emei". — Distr.: **OR**: China (Sichuan).

ensifer SÆTHER & SUBLETTE, 1983: *Entomologica Scandinavica Supplement* **20**: 15 (*Doithrix*). Type-locality: "Bishop Pine, Mendocino, Mendocino Co., Ca., U.S.A." [Ca. = California]. — Distr.: **NE**: U.S.A. (California).

fujiseptimus (SASA, 1985): *Research Report from the National Institute for Environmental Studies* **83**: 126 (*Pseudorthocladius*). Type-locality: {Japan, Mount Fuji area} "on the western shore of Lake Yamanaka". — Distr.: **PA**: Japan.

hamiltoni SÆTHER & SUBLETTE, 1983: *Entomologica Scandinavica Supplement* **20**: 17 (*Doithrix*). Type-locality: "at dock, Marion Lake, B.C., Canada" [B.C. = British Columbia]. — Distr.: **NE**: Canada (British Columbia).

longipes SÆTHER & ANDERSEN, 1996: *Tijdschrift voor Entomologie* **139**(2): 244 (*Doithrix*). Type-locality: "Ghana: Western region, Ankasa Game Production Reserve". — Distr.: **AF**: Ghana.

parcivillosa SÆTHER & SUBLETTE, 1983: *Entomologica Scandinavica Supplement* **20**: 12 (*Doithrix*). Type-locality: "small stream, Rt. 441, 12 miles SE of Gatlinburg, Sevier Co., Tn., U.S.A." [Tn. = Tennessee]. — Distr.: **NE**: U.S.A. (North Carolina, South Carolina, Tennessee).

togateformis (SASA, WATANABE & ARAKAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 235 (*Toyamayusurika*). Type-locality: [Japan] [Summary, p. 231] "at the side of a highland swamp of Yachidani, Togamura". — Distr.: **PA**: Japan.

tusimuabecea (SASA & SUZUKI, 1999): *Tropical Medicine* **41**(2): 103 (*Toyamayusurika*). Type-locality: [Introduction, p. 75] "Tsushima Island . . . western Japan]; [p. 103] "Ayumodoshi".

tusimubeces: incorrect original spelling.

villosa SÆTHER & SUBLETTE, 1983: *Entomologica Scandinavica Supplement* **20**: 9 (*Doithrix*). Type-locality: "at seep-small stream, Rt. 441, 12.5 miles SE of

Gatlinburg, Sevier Co., Tn., U.S.A." [Tn. = Tennessee]. — Distr.: **NE**: Canada (Manitiba, New Brunswick, Nova Scotia), U.S.A. (Georgia, Maine, Michigan, North Carolina, Ohio, South Carolina, Tennessee).

Genus **DOLOPLASTUS** SKUSE

DOLOPLASTUS SKUSE, 1889: *Proceedings of the Linnaean Society of New South Wales* (2) **4**: 260. Type-species: *Doloplastus monticola* Skuse, 1889, by monotypy.

monticola SKUSE, 1889: *Proceedings of the Linnaean Society of New South Wales* (2) **4**: 260 (*Doloplastus*). Type-locality: {Australia} "Mount Kosciusko, N.S.W." [N.S.W. = New South Wales]. — Distr.: **AU**: Australia (New South Wales).

Genus **DONCRICOTOPUS** SÆTHER

DONCRICOTOPUS SÆTHER, 1981: *Entomologica Scandinavica* **12**(2): 223. Type-species: *Doncricotopus bicaudatus* Sæther, 1981, by original designation.

bicaudatus SÆTHER, 1981: *Entomologica Scandinavica* **12**(2): 225 (*Doncricotopus*). Type-locality: "Tuktoyaktuk, Northwest Territories, Canada". — Distr.: **NE**: Canada (Northwest Territories), U.S.A. (Minnesota, Ohio); **PA**: Russia (CET, East Siberia, Far East).

dentatus TUISKUNEN, 1986: *Annales Entomologici Fennici* **51**(4): 102 (*Doncricotopus*). Type-locality: "Finland, Li, Karigasniemi (770:45)". — Distr.: **PA**: Denmark, **?**Estonia, Finland, Norway. [**Note**]

Genus **DRATNALIA** SÆTHER & HALVORSEN

DRATNALIA SÆTHER & HALVORSEN, 1981: *Entomologica Scandinavica Supplement* **15**: 278. Type-species: *Stenocladius potamophylaxi* Fittkau & Lellák, 1971, by original designation.

potamophylaxi (FITTKAU & LELLÁK in LELLÁK, 1971): *Acta Universitatis Carolinae Biologica* 1 **1970**: 25 (*Stenocladius*). Type-locality: [Czech Republic] "říčky Divoká Desna v Jeseníkách" [= River Divoká Desná at Jeseníky] [Lectotype

designated in Sæther & Halvorsen, 1981: *Entomologica Scandinavica Supplement* **15**: 280, [Czech Republic] "River Divoká Desna, Czechoslovakia"]. — Distr.: **PA**: Austria, Czech Republic, Finland, France, Germany, Italy, Norway, Poland, Slovakia, Sweden.

szczensnyi (DRATNAL, 1979): *Bulletin de l'Académie Polonaise des Sciences, Série des Sciences Biologiques* **27**(3): 183 (*Eukiefferiella*). Type-locality: [p. 183] "Gorce range (West Carpathian Mts., South Poland)", [p. 192] "Poniczanka stream about 700 m a.s.l.".

Genus **ECHINOCLADIUS** CRANSTON

ECHINOCLADIUS CRANSTON, 2000: *Memoirs of the Queensland Museum* **46**(1): 109. Type-species: *Echinocladius martini* Cranston, 2000, by original designation.

martini CRANSTON, 2000: *Memoirs of the Queensland Museum* **46**(1): 113 (*Echinocladius*). Type-locality: "Australia, 35°22'S 148°50'E, ACT, Blundell's Ck" [ACT = Australian Capital Territory]. — Distr.: **AU**: Australia (Australian Capital Territory, New South Wales, Queensland, Tasmania, Victoria).

Genus **EDWARDSIDIA** SÆTHER

EDWARDSIDIA SÆTHER, 1990: *Entomologica Scandinavica* **21**(3): 315. Type-species: *Spaniotoma* (*Limnophyes*) *philhygra* Edwards, 1931, by original designation.

candicans (EDWARDS, 1931): *Diptera of Patagonia and South Chile* **2**(5): 293 (*Spaniotoma* (*Limnophyes*)). Type-locality: [Argentina] "Castro". — Distr.: **NT**: Argentina, Chile.

philhygra (EDWARDS, 1931): *Diptera of Patagonia and South Chile* **2**(5): 292 (*Spaniotoma* (*Limnophyes*)). Type-locality: [Argentina] "Bariloche". — Distr.: **NT**: Argentina.

Genus **ELPISCLADIUS** HARRISON & CRANSTON

ELPISCLADIUS HARRISON & CRANSTON, 2007: *Annals of the Eastern Cape Museums*

6: 2. Type-species: *Elpiscladius capicola* Harrison & Cranston, 2007, by original designation.

capicola HARRISON & CRANSTON, 2007: *Annals of the Eastern Cape Museums* **6**: 5 (*Elpiscladius*). Type-locality: "SOUTH AFRICA, Western Cape, Betty's Bay, Harold Porter Botanical Gardens, Davidskraal River, 34°20'50"S, 18°55'17"E". — Distr.: **AF**: South Africa.

Genus **EPOICOCLADIUS** ŠULC & ZAVŘEL

EPOICOCLADIUS ŠULC & ZAVŘEL, 1924: *Acta Societatis Scientiarum Naturalium Moravo-Silesiacae* **1**: 368 (as subgenus of *Camptocladius* Wulp, 1874). Type-species: *Camptocladius ephemerae* Kieffer, 1924, by original designation. [**Note**]

ephemerae (KIEFFER in ŠULC & ZAVŘEL, 1924): *Acta Societatis Scientiarum Naturalium Moravo-Silesiacae* **1**: 385 (*Camptocladius*). Type-locality: [Czech Republic] [p. 362] "Dvůr Králové". — Distr.: **PA**: Austria, Belgium, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Latvia, Lithuania, Netherlands, Norway, Poland, Romania, Russia (CET, NET, East Siberia, West Siberia), Slovakia, Spain, Sweden, Turkey. [**Note**]

flavens (MALLOCH, 1915): *Bulletin of the Illinois State Laboratory of Natural History* **10**: 511 (*Camptocladius*). Type-locality: [U.S.A.] "Havana, Ill., . . . on Illinois River" [Ill. = Illinois] [Lectotype designation in Frison, 1927: *Bulletin of the Illinois State Natural History Survey* **16**: 163, [U.S.A.] "Havana. Illinois, Chautauqua Park, along Illinois River"]. — Distr.: **NE**: Canada (Ontario), U.S.A. (Florida, Georgia, Illinois, Michigan, Montana, North Carolina, North Dakota, Ohio, Texas); **PA**: Russia (East Siberia, Far East). [**Note**]

itachisecundus (SASA & KAWAI, 1987): *Bulletin of the Toyama Science Museum* **10**: 53 (*Pseudosmittia*). Type-locality: {Japan, Stream Itachigawa, Toyama} [p. 26] "Stream Itachigawa (Stations No.1~No.10)"; [p. 53] "at Station 1". — Distr.: **PA**: Japan.

morispinosa (SASA, 1994): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1994**: 42 (*Pseudosmittia*). Type-locality: {Japan} [p. 38] "at the side of a stream in the Castle Park of Morioka City".

sp. 1: MATËNA & SOLDÁN, 1986: *Dipterologica Bohemoslavaca* IV (1986): 39 (*Epoicocladius*). Locality: "Vietnam, Prov. Hanoi, horský potok u Tam- Dao, 850 m" [= Vietnam, Province of Hanoi, mountain stream near Tam- Dao, 850 metres]. — Distr.: **OR**: Vietnam.

sp. 2: MATËNA & SOLDÁN, 1986: *Dipterologica Bohemoslavaca* IV (1986): 39 (*Epoicocladius*). Locality: "USA, Utah, Mill Creek, Salt Lake City". — Distr.: **NE**: U.S.A. (Utah).

sp.: ASHE, MURRAY & REISS, 1987: *Annales de Limnologie* **23**(1): 53 (*Epoicocladius*). Locality: "tributary of the River Mung Lun, Yunnan Province, China". — Distr.: **OR**: China (Yunnan).

sp. 1: HAYASHI & KOBAYASHI, 2000: *Hyogo Freshwater Biology* **51/52**: 296 (*Epoicocladius*). Localities: {Japan} [p. 298, in Japanese] "Takatoki River, Shiga Prefecture"; "a tributary of Sakai River, Aihara Town, Kanagawa Prefecture".— Distr.: **PA**: Japan.

sp. 2: HAYASHI & KOBAYASHI, 2000: *Hyogo Freshwater Biology* **51/52**: 296 (*Epoicocladius*). Locality: {Japan} [p. 298, in Japanese] "Takatoki River, Shiga Prefecture".— Distr.: **PA**: Japan.

Genus **ERETMOPTERA** KELLOGG

ERETMOPTERA KELLOGG, 1900: *Biological Bulletin* **1**(2): 82. Type-species: *Eretmoptera browni* Kellogg, 1900, by original designation.

browni KELLOGG, 1900: *Biological Bulletin* **1**(2): 82 (*Eretmoptera*). Type-locality: [U.S.A.] "at Point Lobos, a rocky point on the Pacific Coast near Monterey, California". — Distr.: **NE**: U.S.A. (California).

murphyi SCHAEFFER, 1914: *Science Bulletin, Museum of the Brooklyn Institute of Arts and Sciences* **2**(4): 91 (*Eretmoptera*). Type-locality: "near the Bay of Isles, South

Georgia". — Distr.: **AN**: South Georgia Island; South Orkney Islands. [**Note**]

Genus **EUKIEFFERIELLA** THIENEMANN

EUKIEFFERIELLA THIENEMANN, 1926: *Archiv für Hydrobiologie* **17**(2): 325. Type-species: *Spaniotoma* (*Orthocladius*) *gracei* Edwards, 1929, fixed by application of Article 70.3 of the Zoological Code (ICZN, 1999, 4th Edition) in Spies & Sæther (2004: *Zootaxa* **752**: 21). [**Note**]

AKIEFFERIELLA THIENEMANN, 1936: *Archiv für Hydrobiologie* **30**(2): 198. Type-species: *Trichocladius coerulescens* Kieffer, 1926, by original designation. Synonymized with *Eukiefferiella* Thienemann, 1926, by Freeman (1953: *Proceedings of the Royal Entomological Society* (Series B) **22**(11/12): 203).

AKIEFFERIELLA THIENEMANN, 1936: *Stettiner Entomologische Zeitung* **97**(1): 43 (footnote). Type-species: *Trichocladius coerulescens* Kieffer, 1926, by original designation. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**. [**Note**]

ADACTYLOCLADIUS SÆTHER, 1968: *Archiv für Hydrobiologie* **64**(4): 464. Type-species: *Adactylocladius finsensis* Sæther, 1968 [= *Spaniotoma* (*Orthocladius*) *minor* Edwards, 1929], by original designation. Synonymized with *Eukiefferiella* Thienemann, 1926, by Sæther (1973: *Canadian Entomologist* **105**(1): 58).

ancyla SVENSSON, 1986: *Entomologica Scandinavica* **17**: 291 (*Eukiefferiella*). Type-locality: "River Trydeå, Skåne, Sweden, about 55°33'N/13°52'E". — Distr.: **PA**: Belgium, Corsica, Czech Republic, France, Germany, Great Britain, Ireland, Morocco, Slovakia, Sweden.

angustistilus FREEMAN, 1953: *Proceedings of the Royal Entomological Society* (B) **22**(11/12): 205 (*Eukiefferiella* (*Eukiefferiella*)). Type-locality: [South Africa] "Berg River, Wellington". — Distr.: **AF**: **?**Senegal, South Africa. [**Note**]

asamaoctava SASA & HIRABAYASHI, 1993: *Japanese Journal of Sanitary Zoology* **44**(4): 385 (*Eukiefferiella*). Type-locality: {Nagano, Japan} [p. 380] "on the streets of the hot spring town, Asama-Onsen (Nagano)". — Distr.: **PA**: Japan.

asamaseptima SASA & HIRABAYASHI, 1993: *Japanese Journal of Sanitary Zoology* **44**(4): 387 (*Eukiefferiella*). Type-locality: {Nagano, Japan} [p. 380] "on the streets of the hot spring town, Asama-Onsen (Nagano)". — Distr.: **PA**: Japan.

asamatertia SASA & HIRABAYASHI, 1991: *Japanese Journal of Sanitary Zoology* **42**(2): 121 (*Eukiefferiella*). Type-locality: [Japan] [p. 117] "at Asama-Onsen, in the suburbs of Matsumoto City, Nagano Prefecture". — Distr.: **PA**: Japan.

bedmari VILCHEZ-QUERO & LAVILLE, 1988: *Annales de Limnologie* **23**(3): 209 (*Eukiefferiella*). Type-locality: "Espagne, Rio Guadalquivir à 680." [= Spain, Guadalquivir River at 680 metres]. — Distr.: **PA**: Algeria, Corsica, France, Greece, Lebanon, Morocco, Spain, Turkey.

bijosecunda SASA & OKAZAWA, 1993: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1993**: 50 (*Eukiefferiella*). Type-locality: [Japan] [Introduction, p. 48] "on a highland of Bijodaira, on the slope of Mount Tate". — Distr.: **PA**: Japan.

boevrensis BRUNDIN, 1956: *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 90 (*Eukiefferiella*; as "*bövrensis*"). Type-locality: "Norwegen, West-Jotunheimen: . . . am Hochgebirgsfluss Bövra in der obersten Birkenregion, 950 m" [= Norway, West-Jotunheimen: . . . on the high mountain river Bövra in the uppermost birch region, 950 metres]. — Distr.: **PA**: China (Ningxia), Finland, Norway, Russia (NET, East Siberia).

bövrensis: incorrect original spelling.

brehmi GOWIN, 1943: *Archiv für Hydrobiologie* **40**(1): 115 (*Eukiefferiella*). Type-locality: [Austria, near Lunz] "Maiergraben (II)". — Distr.: **NE**: U.S.A. (North Carolina, South Carolina); **PA**: Austria, France, Germany, Italy, Lebanon, Morocco, Novaya Zemlya, Portugal, Romania, Russia (Far East), Spain, Turkey.

brevicalcar (KIEFFER, 1911): *Bulletin de la Société Entomologique de France* **1911**: 184 (*Dactylocladius*). Type-locality: [Introduction] "Allemagne" [= Germany] ‖►Type-locality: [Germany] "auf den Steinen des Loher Zuflusses der Glörtalsperre" [= on the stones of the Loher inflow to the Glör Dam], in

Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 80◄‖. — Distr.: **PA**: Algeria, Andorra, Austria, Balearic Islands, Belgium, Bulgaria, Canary Islands, China (Henan, Liaoning), Corsica, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Moldova, Mongolia, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET, East Siberia, Far East, West Siberia), Sardinia, Slovakia, Spain, Sweden, Switzerland, Tunisia, Turkey, ¶Yugoslavia.

graciliella GOETGHEBUER in THIENEMANN, 1936: *Stettiner Entomologische Zeitung* **97**(1): 56 (*Eukiefferiella*). Type-locality: [Germany] "Oberbayern, Partenkirchen; aus Moosen des Baches hinter der Werdenfelser Hütte" [= Upper Bavaria, Partenkirchen; from mosses in the creek behind the Werdenfelser mountain hut].

suecica GOETGHEBUER, 1940: *Bulletin et Annales de la Société Entomologique de Belgique* **80**(1): 68 (*Eukiefferiella*). Type-locality: [Introduction, p. 55] "aux environs d'Abisko, en Laponie Suédoise" [= in the vicinity of Abisko, in Swedish Lapland]; [p. 68] "Près d'une source" [= Near a spring].

? *ampullaceus* (KIEFFER, 1911): *Bulletin de la Société Entomologique de France* **1911**: 184 (*Dactylocladius*; as var. of *brevicalcar* Kieffer, 1911). Type-locality: [Introduction] "Allemagne" [= Germany] ‖►Type-locality: [Germany, Westphalia] "Im Oberlauf der Logrötke" [= In the upper course of the Logrötke] in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 80◄‖. **Questionable synonym**.

? *pallidipes* (KIEFFER, 1911): *Bulletin de la Société Entomologique de France* **1911**: 184 (*Dactylocladius*; as var. of *brevicalcar* Kieffer, 1911). Type-locality: [Introduction] "Allemagne" [= Germany] ‖►Type-locality: [Germany] "aus Fontinalisbüschen des Hasperbaches" [= from *Fontinalis* tufts of the Hasper brook], in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 80◄‖. **Questionable synonym**.

? *rhabani* (KIEFFER, 1923): *Annales de la Société Scientifique de Bruxelles, 2e partie (Mémoires)* **42**: 141 (*Dactylocladius*; as "*Rhabani*"). Type-locality: [Germany] "Westphalie : obtenu de larves vivant entre les mousses de la Diemel" [= Westphalia : obtained from larvae living among the mosses in the Diemel]. **Questionable synonym**. [**Note**]

? *rhabani* (THIENEMANN, 1919): *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst (Zoologische Sektion)* **47**: 27 (*Dactylocladius*; as "*Rhabani*"; as var. of *discoloripes* "Kieffer"). Locality: [Germany] "Aus Moosen der Diemel" [= from mosses in the Diemel]. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

brevinervis (MALLOCH, 1915): *Bulletin of the Illinois State Laboratory of Natural History* **10**: 526 (*Orthocladius* (*Dactylocladius*)). Type-locality: [U.S.A.] "Muncie, Ill., . . . on bank of Stony Creek" [Ill. = Illinois]. — Distr.: **NE**: U.S.A. (Illinois, New Mexico, North Carolina, Ohio, Pennsylvania, South Carolina).

brundini BOOTHROYD & CRANSTON, 1995: *Chironomids: from genes to ecosystems*: 398 (*Eukiefferiella*). Type-locality: "New Zealand, North Island, Waihi, Ohinemuri River, 37° 23'S 175° 52'E, 100 m asl" — Distr.: **AU**: New Zealand (North Island, South Island).

changbaiensis WANG & HALVORSEN, 2002: *Aquatic Insects* **24**(2): 124 (*Eukiefferiella*). Type-locality: "CHINA, Jilin Province, Antu County, Changbai Mountain". — Distr.: **PA**: China (Jilin).

chuzeoctava SASA, 1984: *Research Report from the National Institute for Environmental Studies* **70**: 73 (*Eukiefferiella*). Type-locality: [Japan] {Nikko National Park} "Lake Chuzenji". — Distr.: **PA**: Japan, Russia (Far East).

claripennis (LUNDBECK, 1898): *Videnskabelige Meddelelser fra Dansk Naturhistorisk Forening i Kjøbenhavn* **5**: 281 (*Chironomus*). Type-locality: "Sydgrønland . . . Julianehaab, Neria-Fjord" [Sydgrønland = south Greenland] [Lectotype designation in Oliver, 1970: *Entomologica Scandinavica* **1**(2): 103,

"Julianehaab, Greenland"]. — Distr.: **NE**: Canada (Alberta, British Columbia, Manitoba, Northwest Territories), Greenland, U.S.A. (Arizona, California, Colorado, Kansas, New Mexico, Ohio); **PA**: Algeria, Andorra, Austria, Balearic Islands, Belgium, Bulgaria, Canary Islands, Corsica, Czech Republic, Denmark, Estonia, Faroe Islands, Finland, France, Germany, Great Britain, Iceland, Ireland, Italy, Lebanon, Lithuania, Luxembourg, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET, Far East), Sicily, Slovakia, Spain, Sweden, Switzerland, Turkey, ¶Yugoslavia; **OR**: China (Zhejiang); **OC**: Hawaiian Islands.

hospita (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 351 (*Spaniotoma* (*Eukiefferiella*)). Type-locality: [Great Britain] "Radwell, Herts." [Herts. = Hertfordshire].

alpium GOETGHEBUER, 1941: *Bulletin du Musée Royal d'Histoire Naturelle de Belgique* **17**(37): 4 (*Eukiefferiella*). Type-locality: [Austria] "Alpes tyroliennes, à 2.400 m. d'alt." [= Tyrolean Alps, at an altitude of 2,400 metres]..

stylifer GOETGHEBUER in GOETGHEBUER, HUMPHRIES & FITZGERALD, 1949: *Hydrobiologia* **1**(3): 413 (*Eukiefferiella*). Type-locality: [Ireland] [p. 410] "the River Dodder, a tributary of the river Liffey".

clavigera (FREEMAN, 1956): *Bulletin of the British Museum (Natural History)* Entomology **4**(7): 341 (*Nanocladius*). Type-locality: [South Africa] "NATAL: Drakensberg, Giant's Castle Camp, 5,000 ft.". — Distr.: **AF**: Madagascar, South Africa.

clypeata (THIENEMANN, 1919): *Jahresbericht des Westfälischen Provinzial-Vereins für Wissenschaft und Kunst (Zoologische Sektion)* **47**: 27 (*Dactylocladius*). Type-localities: [Germany] "Sauerlandsbäche" [= Sauerland brooks]; "Diemel bei Nieder-Marsberg" [= Diemel at Nieder-Marsberg]; "Eifel"; [Poland] "Rohra, Nebenfluß der Küddow oberhalb Schneidemühl" [= Rohra (now Rurzyka), tributary of the Küddow (now Gwda) above Schneidemühl]. Senior secondary homonym and senior synonym of *Eukiefferiella clypeata* (Kieffer, 1923) below. — Distr.: **PA**: Austria, Belgium, Bulgaria, Corsica, Czech Republic, Estonia,

Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Luxembourg, Morocco, Netherlands, Poland, Portugal, Romania, Russia (CET, NET), Slovakia, Spain, Switzerland, Turkey. [**Note**]

clypeata (KIEFFER, 1923): *Annales de la Société Scientifique de Bruxelles, 2e partie (Mémoires)* **42**: 146 (*Psectrocladius*). Type-localities: [Germany] "Westphalie : près Munster" [= Westphalia : near Münster]; "Rhénanie" [= Rheinland]. **Preoccupied**. Junior secondary homonym and junior synonym of *Eukiefferiella clypeata* (Thienemann, 1919) above.

coerulescens (KIEFFER in ZAVŘEL, 1926): *Acta Societatis Scientiarum Naturalium Moravo-Silesiacae* **3**: 261 (*Trichocladius*). Type-locality: [Czech Republic] [p. 274] "in einem raschfliessenden Karstbache (Říčky bei Brno)" [= in a rapidly flowing karstic stream (Říčky at Brno)]. — Distr.: **NE**: Canada (Manitoba), U.S.A. (Arizona, California, Colorado, New Mexico, South Carolina); **PA**: Algeria, Austria, Balearic Islands, Corsica, Croatia, Czech Republic, Denmark, France, Germany, Great Britain, Ireland, Italy, Japan, Lebanon, Lithuania, Moldova, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET), Slovakia, Spain, Sweden, Switzerland, Tunisia, Turkey.

convexa MAKARCHENKO & MAKARCHENKO, 2010: *Evraziatskii Entomologicheskii Zhurnal* **9**(1): 73 (*Eukiefferiella*). Type-locality: {Russian Far East} **Primorskii krai, Lazovskii r-n, Lazovskii zapovednik, p. Proselochnaya, okolo 800 m ot kordona** [= Primorsky Krai, Lazovsky District, Lazovsky Nature Reserve, River Proselochnaya, about 800 metres from the lodge]. — Distr.: **PA**: Russia (Far East).

cyanea THIENEMANN, 1936: *Stettiner Entomologische Zeitung* **97**(1): 61 (*Eukiefferiella*). Type-locality: [Germany] "Partenkirchen, Oberbayern. Auf den blanken, unbewachsenen Steinen eines kleinen Baches (1450 m), der von hochgelegenen Schneefeldern gespeist wird und in Wasserfällen vom Süden auf den oberen Raintalanger fällt, leben die Larven" [= Partenkirchen, Upper Bavaria. Larvae living, on the bare, unvegetated stones of a small stream (1450 m), which is fed

by high altitude snow fields and falls in cascades from the south to the upper Raintalanger]. — Distr.: **NE**: U.S.A. (Alaska, **?**Oregon); **PA**: Algeria, Austria, Corsica, France, Germany, Italy, Lebanon, Morocco, Norway, Poland, Portugal, Romania, Slovakia, Spain, Sweden, Switzerland, Tunisia, Turkey.

daitoquerea SASA & SUZUKI, 2002: *Tropical Medicine* **43**(3/4): 79 (*Eukiefferiella*). Type-locality: [Abstract, p. 61] "island of Minamidaito, Okinawa, southwestern Japan"; [p. 79["at Ouike". — Distr.: **OR**: Japan (Ryukyu Archipelago).

devonica (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 349 (*Spaniotoma* (*Orthocladius*)). Type-locality: [Great Britain] "Gorge of Dart, S. Devon". — Distr.: **NE**: Canada (Manitoba), U.S.A. (California, Georgia); **PA**: Algeria, Austria, Azores, Belgium, Canary Isles, Corsica, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Lebanon; Luxembourg, Madeira, Morocco, Norway, Poland, Portugal, Romania, Russia (East Siberia), Slovakia, Spain, Sweden, Switzerland.

dittmari LEHMANN, 1972: *Beiträge zur Entomologie* **22**(7/8): 385 (*Eukiefferiella*). Type-locality: [Germany] "Sauerland". — Distr.: **PA**: Algeria, Austria, Corsica, Denmark, Finland, France, Germany, Great Britain, Ireland, Italy, Lebanon; Morocco, Norway, Romania, Spain, Switzerland.

fittkaui LEHMANN, 1972: *Beiträge zur Entomologie* **22**(7/8): 373 (*Eukiefferiella*). Type-locality: [Germany] "Fulda". — Distr.: **PA**: Austria, Corsica, France, Germany, Great Britain, Italy, Lebanon, Luxembourg, Morocco, Spain, Turkey.

fujishoji SASA, 1993: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1993**: 96 (*Eukiefferiella*). Type-locality: [Japan] "at the side of Lake Shoji, Yamanashi". — Distr.: **PA**: Japan.

fuldensis LEHMANN, 1972: *Beiträge zur Entomologie* **22**(7/8): 360 (*Eukiefferiella*). Type-locality: [Germany] "Fulda". — Distr.: **PA**: Andorra, Austria, Balearic Islands, Czech Republic, France, Germany, Great Britain, Italy, Lebanon, Morocco, Portugal, Slovakia, Spain, Switzerland.

gracei (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 346

(*Spaniotoma* (*Orthocladius*)). Type-locality: [Great Britain] "Ilkley, Yorks." [Yorks. = Yorkshire]. — Distr.: **PA**: Algeria, Austria, Azores, Bulgaria, China (Inner Mongolia, Ningxia, Qinghai), Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Greece, Hungary, Ireland, Italy, Latvia, Lebanon, Lithuania, Luxembourg, Mongolia, Morocco, Netherlands, Poland, Romania, Russia (CET, NET, West Siberia), Slovakia, Spain, Sweden, Switzerland, Syria, Turkey, Uzbekistan.

potthasti LEHMANN, 1972: *Beiträge zur Entomologie* **22**(7/8): 376 (*Eukiefferiella*; as nom. nov. for *Dactylocladius longicalcar* sensu Potthast, 1914 nec *Dactylocladius longicalcar* Kieffer, 1911).

gunmaquarta SASA & TANAKA, 1998: *Annual Report of the Gunma Prefecture Institute of Public Health and Environmental Science* **30**: 39 (*Eukiefferiella*). Type-locality: {Japan} "on the shore of the Kiryu River". — Distr.: **PA**: Japan.

halvorseni CASPERS, 1990: *Aquatic Insects* **12**(1): 28 (*Eukiefferiella*). Type-locality: "Lake Gangabhal, Kashmir, India". — Distr.: **?PA**: **?**Turkey; **OR**: India (Jammu and Kashmir).

heveli SUBLETTE & WIRTH, 1980: *New Zealand Journal of Zoology* **7**: 312 (*Eukiefferiella*). Type-locality: {New Zealand} "Campbell I., Tucker Cove". — Distr.: **AU**: New Zealand (Auckland Islands, Campbell Island).

ilkleyensis (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 349 (*Spaniotoma* (*Orthocladius*)). Type-locality: [Great Britain] "Ilkley". — Distr.: **NE**: U.S.A. (Arizona, California, Colorado, New Mexico, North Carolina, Ohio, South Carolina); **PA**: Algeria, Austria, Azerbaijan, Bulgaria, **?**Canary Islands, China (Liaoning), Corsica, Czech Republic, Estonia, Finland, France, Georgia, Germany, Great Britain, Ireland, Italy, Lebanon, Luxembourg, **?**Madeira, Morocco, Netherlands, Poland, Portugal, Russia (NET, **?**Far East), Slovakia, Spain, Switzerland, Turkey.

lutethorax GOETGHEBUER in GOETGHEBUER, HUMPHRIES & FITZGERALD, 1949: *Hydrobiologia* **1**(3): 411 (*Eukiefferiella*). Type-locality: [Ireland] [p. 410]

"the River Dodder, a tributary of the river Liffey".

inaresea SASA, KITAMI & SUZUKI, 2001: *Memoirs of the Museum of Dr. Hideyo Noguchi*: 20 (*Eukiefferiella*). Type-locality: [Abstract, p. 2] "on the shore of Lake Inawashiro . . . Japan". — Distr.: **PA**: Japan.

insolida (SKUSE, 1889): *Proceedings of the Linnaean Society of New South Wales* (2) **4**: 258 (*Orthocladius*). Type-locality: {Australia} "Middle Harbour, Sydney". — Distr.: **AU**: Australia (Australian Capital Territory, New South Wales, Queensland, South Australia, Tasmania, Victoria, Western Australia), Lord Howe Island, New Zealand (North Island, South Island).

insolita: incorrect subsequent spelling.

intermedia MAKARCHENKO & MAKARCHENKO, 2010: *Evraziatskii Entomologicheskii Zhurnal* **9**(1): 74 (*Eukiefferiella*). Type-locality: {Russian Far East} **Primorskii krai, Khasanskii r-n, zapovednik «Kedrovaya Pad′», r. Kedrovaya** [= Primorsky Krai, Khasansky District, «Kedrovaya Pad′» Nature Reserve, River Kedrovaya]. — Distr.: **PA**: Russia (Far East).

isigaefea SASA & SUZUKI, 2000: *Tropical Medicine* **42**(1): 8 (*Eukiefferiella*). Type-locality: {Japan} [p. 4] "Ishigaki Island"; [p. 8] "at the side of Nakura River". — Distr.: **OR**: Japan (Ryukyu Archipelago).

jintuquindecima SASA, 1996: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996** (**December**): 66 (*Eukiefferiella*). Type-locality: [Japan] [p. 61, Introduction] "in Toyama Prefecture along the main stream of Jinzu River and its tributaries"; [p. 66] "at St. 2, Kiritani". — Distr.: **PA**: Japan.

jintusexta SASA, 1990: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1990**: 40 (*Eukiefferiella*). Type-locality: {Japan, Toyama, Jintsu River} "at No.6, at Yawata-hashi". — Distr.: **PA**: Japan.

jintutertia (SASA, 1990): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1990**: 38 (*Cardiocladius*). Type-locality: {Japan, Toyama, Jintsu River} "at No.8, Jintsu-Ouhashi, Toyama-shi". — Distr.: **PA**: Japan.

jokaseptima SASA & OGATA, 1999: *Medical Entomology and Zoology* **50**(2): 99 (*Eukiefferiella*). Type-locality: {Japan} [Abstract, p. 85] "Kurobe Municipal Sewage Treatment Plant (Kurobe Joka Center)". — Distr.: **PA**: Japan.

kivuensis LEHMANN, 1979: *Spixiana Supplement* **3**: 26 (*Eukiefferiella*). Type-locality: [Democratic Republic of the Congo] "Kalengo, Zaire". — Distr.: **AF**: D.R.Congo.

kurobeangulata SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 51 (*Eukiefferiella*). Type-locality: [Japan] [p. 41] "Kurobe River Basin", [p. 51] "Keyakidaira". — Distr.: **PA**: Japan.

kurobenova SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 52 (*Eukiefferiella*). Type-locality: [Japan] [p. 41] "Kurobe River Basin", [p. 52] "Unazuki Town". — Distr.: **PA**: Japan.

kurobetibia SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 67 (*Eukiefferiella*). Type-locality: [Japan] [p. 66] "Kurobe River area", [p. 67] "Keyakidaira". — Distr.: **PA**: Japan.

kyogokuprima (SASA & SUZUKI, 1998): *Tropical Medicine* **40**(1): 24 (*Paratrichocladius*). Type-locality: {Japan} [p. 24] "Fukidashi Park, Kyogoku, . . . Hokkaido". — Distr.: **PA**: Japan.

latifurca (FREEMAN, 1961): *Australian Journal of Zoology* **9**(4): 670 (*Pseudosmittia*). Type-locality: {Australia} "Narrabeen, N.S.W." [N.S.W. = New South Wales]. — Distr.: **AU**: Australia (New South Wales).

lehmanni BHATTACHARYAY, ALI & CHAUDHURI, 1991: *Beiträge zur Entomologie* **41**(2): 335 (*Eukiefferiella*). Type-locality: "India, West Bengal, Darjeeling". — Distr.: **OR**: India (West Bengal).

lehmani: incorrect original spelling (in figure legend).

limuri MAKARCHENKO & MAKARCHENKO, 2010: *Evraziatskii Entomologicheskii*

Zhurnal **9**(1): 77 (*Eukiefferiella*). Type-locality: {Russian Far East} **Khabarovskii krai, Ul′chskii r-n, r. Limuri** [= Khabarovsk Krai, Ul′chsky District, River Limuri]. — Distr.: **PA**: Russia (Far East).

lobifera GOETGHEBUER, 1934: *Bulletin et Annales de la Société Entomologique de Belgique* **74**(10): 342 (*Eukiefferiella*). Type-locality: [Germany] "Larves dans une source, située à 820 m. d'altitude (G.-P.)" [= Larvae in a spring, located at an altitude of 820 metres (Garmisch-Partenkirchen)]. — Distr.: **PA**: Austria, Bulgaria, Corsica, Czech Republic, France, Germany, Greece, Hungary, Italy, Lebanon, Moldova, Morocco, Romania, Russia (CET, NET), Slovakia, Spain, Switzerland, Turkey.

minor (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 348 (*Spaniotoma* (*Orthocladius*)). Type-localities: [Great Britain] "Dovedale"; "Ilkley"; "Teesdale"; "Whernside". — Distr.: **PA**: Austria, **?**Canary Islands, Corsica, Czech Republic, Denmark, Faroe Islands, Finland, France, Germany, Great Britain, Iceland, Ireland, Italy, Lebanon, Luxembourg, **?**Madeira, **?**Morocco, Norway, Poland, Portugal, Romania, Russia (CET, NET), Slovakia, Spain, Sweden, Switzerland.

montana GOETGHEBUER, 1934: *Bulletin et Annales de la Société Entomologique de Belgique* **74**(10): 343 (*Eukiefferiella*). Type-locality: [Germany] "Dans le Ferchenbach à 900 m. d'altitude (G.-P.)" [= In the Ferchenbach at 900 metres altitude (Garmisch-Partenkirchen)].

flavipes GOETGHEBUER in GOETGHEBUER, HUMPHRIES & FITZGERALD, 1949: *Hydrobiologia* **1**(3): 415 (*Eukiefferiella*). Type-locality: [Ireland] [p. 410] "the River Dodder, a tributary of the river Liffey".

finsensis (SÆTHER, 1968): *Archiv für Hydrobiologie* **64**(4): 464 (*Adactylocladius*). Type-locality: {Finse Area, Norway} "Sta. A".

mirabilis SERRA-TOSIO, 1984: *Bulletin de la Société Entomologique de France* **88**(9/10): XVII (*Eukiefferiella*). Type-locality: "France, Villar d'Arène (38), haute vallée de la Romanche au Plan de Valfourche, altitude 2 050 m" [= France, Villar

d'Arène (38), upper valley of the Romanche in the Valfourche plain, altitude 2,050 metres]. — Distr.: **PA**: France. [**Note**]

mongolteua SASA & SUZUKI, 1997: *Japanese Journal of Tropical Medicine and Hygiene* **25**(4): 176 (*Eukiefferiella*). Type-locality: {Mongolia} "Orkhon Gol . . . at an altitude of 1,775 m". — Distr.: **PA**: Mongolia.

mongoluvea SASA & SUZUKI, 1997: *Japanese Journal of Tropical Medicine and Hygiene* **25**(4): 178 (*Eukiefferiella*). Type-locality: {Mongolia} "Ulanbaatur" [= Ulaanbaatar]. — Distr.: **PA**: Mongolia.

obergi MAKARCHENKO & MAKARCHENKO, 2005: *Chteniya Pamyati Vladimira Yakovlevicha Levanidova* **3**: 377 (*Eukiefferiella*). Type-locality: {Russian Far East, South part of Primorye Territory} **Kuril′skie ostrova. o-v Ketoi** [= Kurile Islands, Ketoi Island]. — Distr.: **PA**: Russia (Far East).

ogasaoctava SASA & SUZUKI, 1997: *Medical Entomology and Zoology* **48**(4): 329 (*Eukiefferiella*). Type-locality: {Japan, Ogasawara Islands} "Sakaiura, Chichijima". — Distr.: **OC**: Bonin Islands.

oryza CHATTOPADHYAY & CHAUDHURI, 1991: *Reichenbachia* **28**(33): 177 (*Eukiefferiella*). Type-locality: "India, West Bengal, Bankura". — Distr.: **OR**: India (West Bengal).

peculiaris (SINHARAY & CHAUDHURI in SINHARAY, CHAUDHURI & CHAUDHURI, 1978): *Oriental Insects* **12**(3) 351 (*Eukiefferiella*). Type-locality: "INDIA: WEST BENGAL: Lebong". — Distr.: **OR**: India (Assam, Meghalaya, West Bengal).

pseudomontana GOETGHEBUER, 1935: *Encyclopédie Entomologique, B-II, Diptera* **8**: 10 (*Eukiefferiella*). Type-locality: [Switzerland] "dans le Röserenbach" [= in the Röserenbach]. — Distr.: **PA**: Austria, Corsica, Czech Republic, France, Germany, Italy, Lebanon, Morocco, Romania, Slovakia, Spain, Switzerland.

ruttneri GOWIN, 1943: *Archiv für Hydrobiologie* **40**(1): 116 (*Eukiefferiella*). Type-locality: [Austria, near Lunz] "Maiergraben (II)".

saccularis BHATTACHARYAY, ALI & CHAUDHURI, 1991: *Beiträge zur Entomologie*

41(2): 337 (*Eukiefferiella*). Type-locality: India, Sikkim, Gangtok". — Distr.: **OR**: India (Sikkim).

seiryuefea SASA, SUZUKI & SAKAI, 1999: *Tropical Medicine* **40**(3): 105 (*Eukiefferiella*). Type-locality: [Abstract, p. 99] "Shimanto River, western Shikoku Island, Japan"; [p. 105] "at the side of a branch river, Kubogawa". — Distr.: **PA**: Japan.

shofukuquarta SASA, 1998: *Bulletin of Toyama Prefectural Environmental Pollution Research Center* **25**(3): 32 (*Eukiefferiella*)). Type-locality: {Japan} [Abstract, p. 14] "in the Shofuku Garden, . . . about 1 km from the mouth of Kurobe River". — Distr.: **PA**: Japan.

similis GOETGHEBUER, 1939: *Bulletin et Annales de la Société Entomologique de Belgique* **79**(4/5): 224 (*Eukiefferiella*). Type-locality: "Allemagne" [= Germany]. — Distr.: **PA**: Andorra, Austria, Belgium, Corsica, Czech Republic, France, Germany, Hungary, Madeira, Mongolia, Morocco, Poland, Portugal, Romania, Russia (CET, NET), Slovakia, Spain, Tunisia; **OR**: China (Zhejiang).

tentoriola (TOKUNAGA, 1939): *Philippine Journal of Science* **69**(3): 321 (*Spaniotoma* (*Orthocladius*)). Type-locality: "Honshu, Japan . . . Kyoto, Kibune". — Distr.: **PA**: Japan.

tirolensis GOETGHEBUER, 1938: *Bulletin et Annales de la Société Entomologique de Belgique* **78**(11): 462 (*Eukiefferiella*). Type-locality: [Austria] "Tyrol". — Distr.: **NE**: U.S.A. (Georgia, Ohio, South Carolina,); **PA**: Algeria, Austria, Corsica, France, Germany, Great Britain, Ireland, Italy, Morocco, Poland, Slovakia, Spain, Switzerland.

tobavicesima KIKUCHI & SASA, 1990: *Japanese Journal of Sanitary Zoology* **41**(4): 324 (*Eukiefferiella*). Type-locality: {Sumatra, Indonesia} "at the side of Lake Toba". — Distr.: **OR**: Indonesia (Sumatra).

togaeuquinta SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 112 (*Eukiefferiella*). Type-locality: {Japan} [Introduction, p. 92] "Toga-mura . . . in the southern

mountainous part of Toyama Prefecture"; [p. 112] "at Murayakuba". — Distr.: **PA**: Japan.

togaeuquinta SASA & OKAZAWA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 119 (*Eukiefferiella*). Locality: {Japan} [Abstract, p. 105] "Toga-mura, a village situated in the mountainous region of Toyama Prefecture". Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

togaeusecunda SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 110 (*Eukiefferiella*). Type-locality: [Japan] [Introduction, p. 92] "Toga-mura . . . in the southern mountainous part of Toyama Prefecture"; [p. 110] "at Momose". — Distr.: **PA**: Japan.

togaeusecunda SASA & OKAZAWA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 119 (*Eukiefferiella*). Locality: {Japan} [Abstract, p. 105] "Toga-mura, a village situated in the mountainous region of Toyama Prefecture". Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

togaeusexta (SASA & OKAZAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 124 (*Tokunagaia*). Type-locality: {Japan} [Introduction, p. 92] "Toga-mura . . . in the southern mountainous part of Toyama Prefecture"; [p. 124] "at Yakuba". — Distr.: **PA**: Japan.

togaeusexta SASA & OKAZAWA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 119 (*Eukiefferiella*). Locality: {Japan} [Abstract, p. 105] "Toga-mura, a village situated in the mountainous region of Toyama Prefecture". Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th

Edition). **Nomen nudum**.

togaeutertia SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 111 (*Eukiefferiella*). Type-locality: [Japan] [Introduction, p. 92] "Toga-mura . . . in the southern mountainous part of Toyama Prefecture"; [p. 111] "Toga River". — Distr.: **PA**: Japan, Russia (Far East).

togaeutertia SASA & OKAZAWA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 119 (*Eukiefferiella*). Locality: {Japan} [Abstract, p. 105] "Toga-mura, a village situated in the mountainous region of Toyama Prefecture". Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

tokaralemea SASA & SUZUKI, 1995: *Japanese Journal of Sanitary Zoology* **46**(3): 273 (*Eukiefferiella*). Type-locality: {Tokara Islands, Japan} "Kuchinoshima Island". — Distr.: **OR**: Japan (Ryukyu Archipelago).

tonefegea SASA & TANAKA, 2000: *Annual Report of Gunma Prefecture Institute of Public Health and Environmental Sciences* **32**: 41 (*Eukiefferiella*). Type-locality: {Japan} [Title, p. 38] "Tone River, Gunma Prefecture"; [p. 41] "at Mukoyama Bridge". — Distr.: **PA**: Japan.

tonewijea SASA & TANAKA, 2002: *Annual Report of the Gunma Prefecture Institute of Public Health and Environmental Science* **34**: 38 (*Eukiefferiella*). Type-locality: {Japan} [Title, p. 27] "Tone River, Gunma Prefecture"; [p. 38] "at Fukushima Bridge". — Distr.: **PA**: Japan.

tonewjekea SASA & TANAKA, 2002: *Annual Report of the Gunma Prefecture Institute of Public Health and Environmental Science* **34**: 39 (*Eukiefferiella*). Type-locality: {Japan} [Title, p. 27] "Tone River, Gunma Prefecture"; [p. 39] "at Fukushima Bridge". — Distr.: **PA**: Japan.

tonewkelea SASA & TANAKA, 2002: *Annual Report of the Gunma Prefecture Institute of Public Health and Environmental Science* **34**: 39 (*Eukiefferiella*). Type-locality:

{Japan} [Title, p. 27] "Tone River, Gunma Prefecture"; [p. 39] "at Fukushima Bridge". — Distr.: **PA**: Japan.

tonewlemea SASA & TANAKA, 2002: *Annual Report of the Gunma Prefecture Institute of Public Health and Environmental Science* **34**: 40 (*Eukiefferiella*). Type-locality: {Japan} [Title, p. 27] "Tone River, Gunma Prefecture"; [p. 40] "at Fukushima Bridge". — Distr.: **PA**: Japan.

uemotoi SASA, 1989: *Research Report Toyama Prefectural Environmental Pollution Research Center* **1989**: 57 (*Eukiefferiella*). Type-locality: [Japan] "at St. C, Kibune Ruver" [error, Ruver = River]. — Distr.: **PA**: Japan.

unicalcar (SÆTHER, 1969): *Bulletin of the Fisheries Research Board of Canada* **170**: 59 (*Adactylocladius*). Type-locality: [Canada] "large mountain stream, Rowe Creek, above highway to Cameron Lake, Waterton National Park, Alta." [Alta. = Alberta]. — Distr.: **NE**: Canada (Alberta).

uresicedea SASA & SUZUKI, 1998: *Bulletin of Toyama Prefectural Environmental Pollution Research Center* **25**(3): 80 (*Eukiefferiella*). Type-locality: [Japan] [p. 78] "at Ureshino, Saga . . . at the side of the stream running through the hot spring town of Ureshino". — Distr.: **PA**: Japan.

yakuneoa SASA & SUZUKI, 2000: *Tropical Medicine* **42**(2): 71 (*Eukiefferiella*). Type-localities: {Yakushima Island, Southwestern Japan} "Nagata"; "Miyanoura Town". — Distr.: **PA**: Japan.

yakuopea SASA & SUZUKI, 2000: *Tropical Medicine* **42**(2): 72 (*Eukiefferiella*). Type-localities: {Yakushima Island, Southwestern Japan} "Nagata"; "Issogawa"; "at the town of Miyanoura"; "Yakusugi Land"; "Shirotani River". — Distr.: **PA**: Japan.

yakuquerea SASA & SUZUKI, 2000: *Tropical Medicine* **42**(2): 74 (*Eukiefferiella*). Type-localities: {Yakushima Island, Southwestern Japan} "Nagata"; "Yakusugi Land". — Distr.: **PA**: Japan.

yakusetea SASA & SUZUKI, 2000: *Tropical Medicine* **42**(2): 75 (*Eukiefferiella*). Type-locality: {Yakushima Island, Southwestern Japan} "Yakusugi Land". — Distr.:

PA: Japan.

yaraensis SASA & HASEGAWA, 1988: *Japanese Journal of Sanitary Zoology* **39**(3): 238 (*Eukiefferiella*). Type-locality: {Ryukyu Islands, southern Japan} "on the shore of the Hija River under Yara Bridge, Kadena-cho, Okinawa". — Distr.: **OR**: Japan (Ryukyu Archipelago).

yasunoi SASA, 1979: *Research Report from the National Institute for Environmental Studies* **7**: 31 (*Eukiefferiella*). Type-locality: {Japan} "in small streams on the slopes of Mount Tsukuba". — Distr.: **PA**: Japan.

yosii (TOKUNAGA, 1964): *Akitu* **12**: 17 (*Orthocladius* (*Orthocladius*)). Type-locality: "Honshu, Japan . . . Mt. Yukyu, Nagaoka, Niigata Pref.". — Distr.: **PA**: Japan.

zhiltzovae MAKARCHENKO & MAKARCHENKO, 2010: *Evraziatskii Entomologicheskii Zhurnal* **9**(1): 79 (*Eukiefferiella*). Type-locality: {Russian Far East} **Primorskii krai, Khasanskii r-n, okr. pos. Khasan, oz. Lotos** [= Primorsky Krai, Khasansky District, near the village of Khasan, Lake Lotos]. — Distr.: **PA**: Russia (Far East).

sp.: REISS, 1968: *Khumbu Himal* **3**: 56 (*Eukiefferiella*). Locality: [Title] "Nepal". — Distr.: **OR**: Nepal.

sp.: REISS, 1968: *Khumbu Himal* **3**: 56 (*Eukiefferiella*). Locality: [Title] "Nepal". — Distr.: **OR**: Nepal.

sp. 1: WAIS, 1987: *Studies on Neotropical Fauna and Environment* **22**(2): 77 (*Eukiefferiella*). Locality: [Title, p. 73] "Negro River Basin, Argentine Patagonia". — Distr.: **NT**: Argentina.

sp. 2: WAIS, 1987: *Studies on Neotropical Fauna and Environment* **22**(2): 77 (*Eukiefferiella*). Locality: [Title, p. 73] "Negro River Basin, Argentine Patagonia". — Distr.: **NT**: Argentina.

sp.: ASHE, 1990: *Insects and the rain forests of South East Asia (Wallacea)*: 267 (*Eukiefferiella*). Locality: {Indonesia} "Sulawesi". — Distr.: **OR**: Indonesia (Sulawesi).

sp. (*devonica* group): WATSON & HEYN, 1993: *Netherlands Journal of Aquatic Ecology*

26(2/4): 259 (*Eukiefferiella*). Localities: "Costa Rica . . . L, C, S 90 - 1650 m" [= Costa Rica . . . Limon, Cartago & San Jose Provinces 90 - 1650 metres]. — Distr.: **NT**: Costa Rica.

sp.: WOLFF, BRASHER & RICHARDS, 2002: *Bishop Museum Occasional Papers* **69**: 32 (*Eukiefferiella*). Localities: {Hawaiian Islands} "O'AHU: Kaluanui Str, 110 ft [34 m]"; "Punalu'u Str, above the weir, 212 ft [56 m]"; "Punalu'u Str, below the weir, 212 ft [56 m]"; "Waiahole Str, 210 ft [64 m]"; "Waihe'e Str, 170 ft [52 m]"; "Waikakalaua Str, 600 ft [183 m]". — Distr.: **OC**: Hawaiian Islands.

sp.: WINTERBOURN, 2004: *New Zealand Natural Sciences* **29**: 21 (*Eukiefferiella*). Locality: {New Zealand} [Methods, p. 22] "six rivers in the vicinity of Karamea, North Westland". — Distr.: **AU**: New Zealand (South Island).

cyanea-group sp. 1: HAASE & NOLTE, 2008: *Ecological Indicators* **8**(5): 607 (*Eukiefferiella*). Locality: [Title] "streams in southeast Queensland, Australia". — Distr.: **AU**: Australia (Queensland).

Nomina dubia probably in EUKIEFFERIELLA

alia PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 137 (*Eukiefferiella*). Type-locality: [Tajikistan] **v r. Saradzhou** [= in the River Saradzhou].

communis PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 137 (*Eukiefferiella*). Type-localities: [Tajikistan] **r. Lyuchob** [= River Lyuchob]; **v r. Varzob** [= in the River Varzob]; **r. Kafirnigan bliz Yangi-bazara** [= River Kafirnigan near Yangi-Bazara, now = River Kofarnihon near Vahdat]; **v r. Khanakinke** [= in the River Khanakinke].

dzintari PANKRATOVA, 1959: *Rybnoe Khozyaistvo Vnutrennykh Vodoemov Latviiskoi SSR* **3**: 190 (*Eukiefferiella*). Type-locality: [Latvia] **v ruch′e Dzintari** [= in the Dzintari stream]. [**Note**]

longicalcar KIEFFER, 1911: *Bulletin de la Société Entomologique de France* **1911**: 183 (*Dactylocladius*). Type-locality: [Introduction] "Allemagne" [= Germany]

‖ ►Type-locality: "Germany, Sauerland, Glör river "at gauging weir"", in Spies & Sæther, 2004: *Zootaxa* **752**: 22◄‖. [**Note**]

longipes CHERNOVSKII, 1949: *Opredeliteli po Faune SSSR, izdavaemye Zoologicheskim Institutom AN SSSR* **31**: 127 (*Eukiefferiella*). Type-locality: [Russia] **ruch′nkh pod Leningradom** [= brooks near Leningrad (now Saint Petersburg)].

masordarjensis PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 136 (*Eukiefferiella*). Type-localities: [Tajikistan] **v Mazor-dar′e** [= in the Mazor-Darya River]; **v r. Kolond′yu** [= in the River Kolond′yu].

oxiana PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 135 (*Eukiefferiella*). Type-localities: [Tajikistan] **Kondara** [= Kondar]; **v r. Kondare** [= in the River Kondar]; **v r. Varzob u Kondary** [= in the River Varzob at Kondar]; **v r. Varzob** [= in the River Varzob]; **v r. Lyuchob** [= in the River Lyuchob]; **r. Kafirnigan y Yangi-bazara** [= River Kafirnigan at Yangi-Bazara; now = River Kofarnihon at Vahdat]; **v r. Khanakinke** [= in the River Khanakinke]. [**Note**]

oxoniana: incorrect subsequent spelling.

popovae CHERNOVSKII, 1949: *Opredeliteli po Faune SSSR, izdavaemye Zoologicheskim Institutom AN SSSR* **31**: 126 (*Eukiefferiella*). Type-locality: [Armenia] **v r. Zange u Erevana** [= in the River Zanga at Yerevan].

quadridentata CHERNOVSKII, 1949: *Opredeliteli po Faune SSSR, izdavaemye Zoologicheskim Institutom AN SSSR* **31**: 126 (*Eukiefferiella*). Type-locality: [Armenia] **v r. Zange u Erevana** [= in the River Zanga at Yerevan].

sellata PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 135 (*Eukiefferiella*). Type-localities: [Tajikistan] **v doline r. Saradzhou** [= in the valley of the River Saradzhou]; **v ushchel′e Sangizart** [= in Sangizart Gorge]; **v ushchel′e Zamindoroz** [= in Zamindoroz Gorge]; **v ushchel′e Kondara** [= in Kondar Gorge]; **v r. Kolond′yu u kurorta Khodzha-obi-garm** [= in the River Kolond′yu at Khodzha-Obi-Garm Spa]; **v r. Kondare** [= in the River Kondar]; **v r. Varzob u Kondary . . . i vyshe

Varzobskoi plotiny** [= in the River Varzob at Kondar . . . and above the Varzobsk Dam]; **okrestnostyakh g. Stalinabada** [= vicinity of Stalinabad City, now Stalinabad = Dushanbe]; **v r. Varzob** [= in the River Varzob]; **v Kuibyshevskom raione v doline r. Vakhsh** [= in the Kuibyshevskom district in the valley of the River Vakhsh]; **v r. Bustroi** [= in the River Bustroi]; **r. Kafirnigan v Gissare** [= River Kafirnigan at Gissare; now River Kafirnigan = River Kofarnihon]; **u Yangi-bazara** [= at Yangi-Bazara; now = Vahdat]; **v r. Khanakinke v Gissare** [= in the River Khanakinke at Gissare].

solungulata PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 138 (*Eukiefferiella*). Type-locality: [Tajikistan] [Introduction, p. 116] **bassein Amu-dar′i . . . Tadzhikistane** [= basin of the Amu-Darya . . . Tajikistan].

Genus **EURYCNEMUS** WULP

EURYCNEMUS WULP, 1874: *Tijdschrift voor Entomologie* **16**: LXX, LXXI. Type-species: *Chironomus elegans* Meigen, 1818 [= *Chironomus crassipes* Meigen, 1810], by original designation. Senior homonym of *Eurycnemus* Wulp, 1875 (below). [**Note**]

EURYCNEMUS WULP, 1875: *Tijdschrift voor Entomologie* **17**(5): 135. Type-species: *Chironomus elegans* Meigen, 1818 [= *Chironomus crassipes* Meigen, 1810], by original designation. **Preoccupied**. Junior homonym of *Eurycnemus* Wulp, 1874 (above).

crassipes (MEIGEN in PANZER, 1810): *Favnae Insectorvm Germanicae initia oder Devtschlands Insecten* Heft **109**: 22 (*Chironomus*; as "*Chironomvs*"). Type-locality: [Title] "Devtschlands" [= Germany] ‖►Type-localities: [Germany] "Neuwied"; "aus der Gegend von Mülheim am Rheine" [= from the vicinity of Mülheim on the River Rhine] in Meigen, 1818: *Systematische Beschreibung* **1**: 48◄‖. — Distr.: **PA**: Austria, Belgium, Bosnia-Herzegovina, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, Ireland, Lithuania, Netherlands, Russia (CET, NET), Slovenia, Spain, Sweden,

Switzerland, Turkey. [**Note**]

elegans (MEIGEN, 1818): *Systematische Beschreibung* **1**: 48 (*Chironomus*). Type-localities: [Germany] "Neuwied"; "aus der Gegend von Mülheim am Rheine" [= from the vicinity of Mülheim on the River Rhine].

aestivus (CURTIS, 1825): *British Entomology* **2**(22): 90 (*Chironomus*; as "*æstivus*"). Type-locality: [Great Britain] "Brockenhurst Heath, Hampshire".

hirtipes (MACQUART, 1834): *Histoire naturelle des insectes. Diptères* **1**: 59 (*Chironomus*). Type-locality: "De France" [= from France].

bifidus KIEFFER, 1923: *Annales de la Société Scientifique de Bruxelles, 2e partie (Mémoires)* **42**: 167 (*Eurycnemus*; as var. of *elegans* Meigen, 1818). Type-localities: "Hongrie : Budapest" [Hongrie = Hungary]; [Germany] "Urdingen".

shadini (PANKRATOVA, 1968): *Trudy Zoologicheskogo Instituta, Leningrad* **45**: 254 (as "Orthocladiinae gen.?"). Locality: [Russia, Northern European Territory] **Lichinka naidena na seredine r. Nevy u o. Oreshek** [= Larva found in the middle of the River Neva in the vicinity of Oreshek]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN 1999, 4th Edition). **Nomen nudum**. [**Note**]

nozakii KOBAYASHI, 1998: *Entomological Science* **1**(1): 109 (*Eurycnemus*). Type-locality: {Japan} "Kitagohchi, Nishiki River, Yamaguchi Prefecture, Honshu". — Distr.: **PA**: Japan.

sp.: MAKARCHENKO & MAKARCHENKO, 2012: *Evraziatskii Entomologicheskii Zhurnal* **11**(2): 116 (*Eurycnemus*). Localities: {Russian Far East} **Primorskii krai: . . . Terneiskii r-n, r. Samarga** [= Primorskii Krai: . . . Terneisky District, River Samarga]; **O-v Sakhalin: . . . r. Pchelka** [= Island of Sakhalin: . . . River Pchelka]. — Distr.: **PA**: Russia (Far East).

Genus **EURYHAPSIS** OLIVER

EURYHAPSIS OLIVER, 1981: *Canadian Entomologist* **113**(8): 711. Type-species:

Euryhapsis cilium Oliver, 1981, by original designation.

annuliventris (MALLOCH, 1915): *Proceedings of the Biological Society of Washington* **28**: 46 (*Metriocnemeus*). Type-locality: [U.S.A.] "Stanford University, Cal." [Cal. = California] [Lectotype designation in Frison, 1927: *Bulletin of the Illinois State Natural History Survey* **16**: 173, [U.S.A.] "Stanford University, California"].— Distr.: **NE**: U.S.A. (California); **PA**: Italy.

brevis OLIVER, 1981: *Canadian Entomologist* **113**(8): 720 (*Euryhapsis*). Type-locality: "Afghanistan". — Distr.: **PA**: Afghanistan. [**Note**]

cilium OLIVER, 1981: *Canadian Entomologist* **113**(8): 714 (*Euryhapsis*). Type-locality: "Martin River (61°55′N, 121°35′W), District of Mackenzie, N.W.T., Canada" [N.W.T. = Northwest Territories]. — Distr.: **NE**: Canada (Alberta, Northwest Territories, Yukon Territory); **PA**: Mongolia, Russia (NET, Far East), Ukraine.

fuscipropes SÆTHER & WANG, 1993: *Annales de Limnologie* **28**(3): 211 (*Euryhapsis*). Type-locality: "China, Ningxia, Mt. Liupan". — Distr.: **PA**: China (Ningxia), France, **?**Great Britain, Russia (Far East). [**Note**]

hidakacedea (SASA & SUZUKI, 2001): *Tropical Medicine* **42**(3/4): 183 (*Eurycnemus*). Type-locality: {Hokkaido, Japan} [p. 178] "in the Hidaka Mountain areas"; [p. 183] "Shizunai River". — Distr.: **PA**: Japan.

illoba OLIVER, 1981: *Canadian Entomologist* **113**(8): 720 (*Euryhapsis*). Type-locality: [U.S.A.] "1 mile west Tom's Place, Mono County, California". — Distr.: **NE**: U.S.A. (California).

subviridis (SIEBERT, 1979): *Aquatic Insects* **1**(3): 167 (*Brillia*). Type-locality: "Kematen near Innsbruck, Austria". — Distr.: **PA**: Austria, Germany, Italy, Japan, Russia (Far East).

sp. 1: DOWLING, 1980: *Chironomidae Ecology, Systematics Cytology and Physiology*: 135 (as "Orthocladiini sp. 1"). Locality: [Title] "Iran". — Distr.: **PA**: Iran.

Genus **FERRINGTONIA** SÆTHER & ANDERSEN

FERRINGTONIA SÆTHER & ANDERSEN, 2010: *Proceedings of the XV International*

Symosium on Chironomidae: 312. Type-species: *Spaniotoma* (*Orthocladius*) *patagonica* Edwards, 1931, by original designation.

caudicula SÆTHER & ANDERSEN, 2010: *Proceedings of the XV International Symosium on Chironomidae*: 320 (*Ferringtonia*). Type-locality: "CHILE: XII Region, Punta Arenas, Rio Rubens, 52002.158'S 71056.750'W, 112 m a.s.l.". — Distr.: **NT**: Chile. [**Note**]

patagonica (EDWARDS, 1931): *Diptera of Patagonia and South Chile* **2**(5): 290 (*Spaniotoma* (*Orthocladius*)). Type-locality: [Argentina] "L. Nahuel Huapi, eastern end". — Distr.: **NT**: Argentina.

Genus **FREEMANIELLA** SÆTHER

FREEMANIELLA SÆTHER, 1976: *Bulletin of the Fisheries Research Board of Canada* **195**: 250. Type-species: *Chaetocladius eastopi* Freeman, 1956, by original designation.

eastopi (FREEMAN, 1956): *Bulletin of the British Museum (Natural History)* Entomology **4**(7): 330 (*Chaetocladius*). Type-locality: "KENYA: Nachingwea". — Distr.: **AF**: Kenya, Senegal.

Genus **GEORTHOCLADIUS** STRENZKE

GEORTHOCLADIUS STRENZKE, 1941: *Zoologischer Anzeiger* **135**(9/10): 185. Type-species: *Orthocladius luteicornis* Goetghebuer, 1941, by original designation.

TOYAMAYUSURIKA SASA & KAWAI, 1987: *Bulletin of the Toyama Science Museum* **10**: 62. Type-species: *Toyamayusurika shiotanii* Sasa & Kawai, 1987, by original designation. Synonymized with *Georthocladius* Strenzke, 1941, in Sæther & Andersen (1996: *Tijdschrift voor Entomologie* **139**(2): 249).

ATELOPODELLA SÆTHER, 1982: see below as subgenus.

GEORTHOCLADIUS STRENZKE, 1941: see below as subgenus.

Subgenus **ATELOPODELLA** SÆTHER

ATELOPODELLA SÆTHER, 1982: *Entomologica Scandinavica* **13**(4): 488. Type-species:

Georthocladius (*Atelopodella*) *curticornus* Sæther, 1982, by original designation.

curticornus SÆTHER, 1982: *Entomologica Scandinavica* **13**(4): 488 (*Georthocladius* (*Atelopodella*)). Type-locality: "U.S.A. . . . forest litter, Walhalla National Fish Hatchery, Oconee Co., South Carolina". — Dist.: **NE**: U.S.A. (North Carolina, South Carolina).

Subgenus **GEORTHOCLADIUS** STRENZKE

amakyei SÆTHER & ANDERSEN, 1996: *Tijdschrift voor Entomologie* **139**(2): 250 (*Georthocladius*). Type-locality: "Ghana: Western region, Ankasa Game Production Reserve". — Distr.: **AF**: Ghana.

fimbriosus SÆTHER & SUBLETTE, 1983: *Entomologica Scandinavica Supplement* **20**: 32 (*Georthocladius*). Type-locality: "U.S.A. . . . small stream, RT. 441 12 mi. SE Gatlinburg, Sevier Co., Tenn." [Tenn. = Tennessee]. — Dist.: **NE**: Canada (Ontario), U.S.A. (North Carolina, South Carolina, Tennessee).

longicalcaneum SÆTHER & ANDERSEN, 1996: *Tijdschrift voor Entomologie* **139**(2): 250 (*Georthocladius*). Type-locality: "Ghana: Western region, Ankasa Game Production Reserve". — Distr.: **AF**: Ghana.

luteicornis (GOETGHEBUER in STRENZKE, 1941): *Zoologischer Anzeiger* **135**(9/10): 177 (*Orthocladius*). Type-locality: [Germany] "im torfigen Boden eines kleinen Erlen-Cyperaceen-Flachmoores am N-Ufer des Pluß-Sees bei Plön" [= in the peaty soil of a small shallow Alder-Cypress bog on the north shore of the Pluß-See near Plön]. — Distr.: **PA**: Austria, Czech Republic, Finland, France, Germany, Great Britain, Ireland, Norway, Netherlands, Poland; Portugal, Russia (Far East), Spain, Turkey. [**Note**]

orientalis (KONSTANTINOV, 1952): *Trudy Amurskoi Ikhtiologicheskoi Ekspeditsii 1945-1949 gg.* 3. *Materialy k Poznaniyu Fauny i Flory SSSR (N. S.)* **32**: 393 (*Smittia*). Type-locality: [Russia, Far East] {basseina Amur} [= basin of the Amur River] **beregov Bezymyannoi rechki, vpadayushchei v protok Sii bliz sel. Bolon′** [= shore of the Bezymyannoi River, running into the Sii channel

near the village of Bolon′].

platystylus SÆTHER & SUBLETTE, 1983: *Entomologica Scandinavica Supplement* **20**: 28 (*Georthocladius*). Type-locality: "Lake Van Norden, Placer Co., Ca., U.S.A." [Ca. = California]. — Distr.: **NE**: U.S.A. (California).

retezati (ALBU, 1972): *Studii şi Cercetări de Biologie, Série Biologie animală* **24**(1): 17 (*Parachaetocladius*). Type-locality: [Romania] "în Masivul Retezat, . . . lacului Lia (altitudine 1910 m)" [= in the Retezat Massif, . . . Lia Lake (altitude 1910 metres)]. — Distr.: **PA**: Romania. [**Note**]

retezat: incorrect subsequent spelling.

shiotanii (SASA & KAWAI, 1987): *Bulletin of the Toyama Science Museum* **10**: 62 (*Toyamayusurika*). Type-locality: {Japan, Stream Itachigawa, Toyama} [p. 26] "Stream Itachigawa (Stations No.1~No.10)"; [p. 62] "at Station 4". — Distr.: **PA**: Japan.

triquetrus SÆTHER & SUBLETTE, 1983: *Entomologica Scandinavica Supplement* **20**: 25 (*Georthocladius*). Type-locality: "Issaqueena Forest area, Clemson University, Pickens Co., S.C., U.S.A." [S.C. = South Carolina]. — Distr.: **NE**: U.S.A. (South Carolina).

wirthi SÆTHER & SUBLETTE, 1983: *Entomologica Scandinavica Supplement* **20**: 30 (*Georthocladius*). Type-locality: "Heather Lake, 9000 feet, Sequoia National Park, Ca., U.S.A." [Ca. = California]. — Dist.: **NE**: U.S.A. (California).

sp.: MENDES & PINHO, 2011: *Checklist of the Brazilian Chironomidae*: no pagination (*Georthocladius*). Locality: "Brazil". — Distr.: **NT**: Brazil.

Genus **GRAVATAMBERUS** MENDES &ANDERSEN

GRAVATAMBERUS MENDES & ANDERSEN, 2008: *Zootaxa* **1887**: 41. Type-species: *Gravatamberus nidularium* Mendes & Andersen, 2008, by original designation.

apicalus MENDES & ANDERSEN, 2008: *Zootaxa* **1887**: 43 (*Gravatamberus*). Type-locality: "VENEZUELA: Aragua: Parque Nacional Henri Pittier, Rancho Grande, 10º21.047'N, 67º41.198'W, approximately 1000 m a.s.l.". — Distr.:

NT: Venezuela.

curtus MENDES & ANDERSEN, 2008: *Zootaxa* **1887**: 45 (*Gravatamberus*). Type-locality: "MEXICO: Campeche: Calakmul, Ejido Novo Becan, El Chorro, 18º35'25.5''N, 89º15'28.8''W, 130 m a.s.l.". — Distr.: **NT**: Costa Rica, Mexico (Campeche).

guatemaltecus MENDES & ANDERSEN, 2008: *Zootaxa* **1887**: 47 (*Gravatamberus*). Type-locality: "GUATEMALA: Santa Rosa: Pueblo Nueve Viñas, Finca Maria Mundo, Bosque Pino-Eucino, 1800 m a.s.l.". — Distr.: **NT**: Guatemala.

nidularium MENDES & ANDERSEN, 2008: *Zootaxa* **1887**: 49 (*Gravatamberus*). Type-locality: "BRAZIL: Santa Catarina: Florianópolis (UCAD)". — Distr.: **NT**: Brazil.

pilosus MENDES & ANDERSEN, 2008: *Zootaxa* **1887**: 54 (*Gravatamberus*). Type-locality: "CHILE: VII Region: Talca, El Golfe". — Distr.: **NT**: Chile.

Genus **GUNMAYUSURIKA** SASA

GUNMAYUSURIKA SASA, 1994: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1994**: 37. Type-species: *Gunmayusurika nanmokuensis* Sasa, 1994 [= *Rheocricotopus joganhiberna* Sasa & Okazawa, 1991], by original designation.

joganhiberna (SASA & OKAZAWA, 1991): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 57 (*Rheocricotopus*). Type-locality: {Joganji River, Toyama, Japan} [p. 58] "at St.4" [= "Shomyo River originating from Mount Tateyama" on p. 53]. — Distr.: **PA**: Japan.

nanmokuensis SASA, 1994: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1994**: 37 (*Gunmayusurika*); on p. 60 (Plate 6, Fig. 12) as "*meganalis*"). Type-locality: {Japan} [p. 37] "at the side of an upstream site of the Nanmoku River".

meganalis: incorrect original spelling.

Genus **GYMNOMETRIOCNEMUS** EDWARDS

GYMNOMETRIOCNEMUS EDWARDS, 1932: *Entomologist* **65**: 141 (as subgenus of *Metriocnemus* Wulp, 1874). Type-species: *Metriocnemus subnudus* Edwards, 1929, by original designation. [**Note**]

GYMNOMETRIOCNEMUS GOETGHEBUER, 1932: *Faune de France* **23**: 23 (as subgenus of *Metriocnemus* Wulp, 1874). Type-species: Not given. Name not made available - not accompanied by fixation of a type-species contrary to Article 13.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

GYMNOMETRIOCNEMUS EDWARDS, 1932: see below as subgenus.

RAPHIDOCLADIUS SÆTHER, 1983: see below as subgenus.

Subgenus **GYMNOMETRIOCNEMUS** EDWARDS

ancudensis (EDWARDS, 1931): *Diptera of Patagonia and South Chile* **2**(5): 274 (*Metriocnemus*). Type-locality: [Chile] "Ancud". — Distr.: **NT**: Chile. **Comb. nov.** [**Note**]

benoiti (FREEMAN, 1956): *Bulletin of the British Museum (Natural History)* Entomology **4**(7): 302 (*Metriocnemus*). Type-locality: [Democratic Republic of the Congo] "BELGIAN CONGO, Kisantu". — Distr.: **AF**: D.R.Congo.

brevitarsis (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 316 (*Metriocnemus*). Type-locality: [Great Britain] "Knebworth, Herts." [Herts. = Hertfordshire]. — Distr.: **PA**: Great Britain.

johanasecundus SASA & OKAZAWA, 1994: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1994**: 71 (*Gymnometriocnemus*). Type-locality: [Japan] "at Johana (Toyama)". — Distr.: **PA**: Japan.

lobifer (FREEMAN, 1959): *Bulletin of the British Museum (Natural History)* Entomology **7**(9): 412 (*Metriocnemus*). Type-locality: {New Zealand} "Wellington: Ohakune". — Distr.: **AU**: New Zealand (North Island, South Island).

longicostalis (EDWARDS, 1931): *Diptera of Patagonia and South Chile* **2**(5): 273 (*Metriocnemus*). Type-locality: [Chile] "Puerto Montt". — Distr.: **NT**: Chile.

Comb. nov. [**Note**]

mahensis (KIEFFER, 1911): *Transactions of the Linnean Society of London (2nd Series, Zoology)* **14**: 360 (*Metriocnemus*). Type-locality: "Seychellen. Mahé: Cascade Estate, about 800—1500 feet". — Dist.: **AF**: **?**Burkina Faso, Seychelles.

nitidulus (SKUSE, 1889): *Proceedings of the Linnaean Society of New South Wales* (2) **4**: 276 (*Metriocnemus*). Type-locality: {Australia} "Sydney". — Distr.: **AU**: Australia (New South Wales).

subnudus (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 316 (*Metriocnemus*). Type-localities: [Great Britain] "Three Bridges, Sussex"; "Broderick, Arran"; "Grange, Lancs." [Lancs. = Lancashire]; "Knebworth, Herts." [Herts. = Hertfordshire]; "Logie, Elgin" [Lectotype designated in Cranston & Oliver, 1988: *Canadian Entomologist* **120**(5): 433, [Great Britain] "Grange, N. Lancs." [N. Lancs. = north Lancashire]]. — Dist.: **NE**: Canada (British Columbia, Nova Scotia, Ontario), U.S.A. (North Carolina, Ohio, Tennessee); **PA**: Austria, Finland, Germany, Great Britain, Hungary, Iceland, Ireland, Italy, Netherlands, Poland, Russia (Far East), Slovakia, Sweden, Switzerland, ¶Yugoslavia.

marionensis SÆTHER, 1969: *Bulletin of the Fisheries Research Board of Canada* **170**: 129 (*Gymnometriocnemus*). Type-locality: [Canada] "at shore, Marion Lake, University of British Columbia Forestry Farm, Haney, B.C." [B.C. = British Columbia].

terrestris (KRÜGER, THIENEMANN & GOETGHEBUER in KRÜGER & THIENEMANN, 1941): *Zoologischer Anzeiger* **135**(9/10): 193 (*Gymnometriocnemus*). Type-locality: "Allemagne: Bonn" [Allemagne = Germany]. — Distr.: **PA**: Austria, Czech Republic, Germany, Great Britain, Netherlands, Spain. [**Note**]

wilsoni FREEMAN, 1961: *Australian Journal of Zoology* **9**(4): 661 (*Gymnometriocnemus*). Type-locality: {Australia} "Hamilton, Vic." [Vic. = Victoria]. — Distr.: **AU**: Australia (Victoria).

sp. 1: HAASE & NOLTE, 2008: *Ecological Indicators* **8**(5): 607 (*Gymnometriocnemus*). Locality: [Title] "streams in southeast Queensland, Australia". — Distr.: **AU**: Australia (Queensland).

sp.: TRIVINHO-STRIXINO, 2011: *Larvas de Chironomidae Guia de Identificação*: 265 (*Gymnometriocnemus*). Locality: [Introduction, p. 1] "Brazil". — Distr.: **NT**: Brazil.

Subgenus **RAPHIDOCLADIUS** SÆTHER

RAPHIDOCLADIUS SÆTHER, 1983: *Aquatic Insects* **5**(4): 211. Type-species: *Gymnometriocnemus* (*Raphidocladius*) *acigus* Sæther, 1983 [= *Metriocnemus brumalis* Edwards, 1929], by original designation.

brumalis (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 316 (*Metriocnemus*). Type-localities: [Great Britain] "Baldock, Herts." [Herts. = Hertfordshire]; "Crowborough, Sussex"; "Welwyn, Herts." [Herts. = Hertfordshire] [Lectotype designated in Cranston & Oliver, 1988: *Canadian Entomologist* **120**(5): 434, [Great Britain] "ENGLAND, Hertfordshire, Baldock"]. — Dist.: **NE**: Canada (British Columbia, Manitoba, New Brunswick, Northwest Territories, Nova Scotia, Ontario, Québec), U.S.A. (North Carolina, Ohio, South Carolina, Tennessee); **PA**: Algeria, Austria, Finland, France, Germany, Great Britain, Hungary, Ireland, Luxembourg, Netherlands, Norway, Poland, Russia (Far East), Spain, Sweden, Switzerland.

acigus SÆTHER, 1983: *Aquatic Insects* **5**(4): 214 (*Gymnometriocnemus* (*Raphidocladius*)). Type-locality: "small stream entering Jocassee Reservoir at Devils Fork Landing, Oconee Co., South Carolina, U.S.A.".

kamimegavirgus SASA & HIRABAYASHI, 1993: *Japanese Journal of Sanitary Zoology* **44**(4): 369 (*Gymnometriocnemus*). Type-localities: {Nagano, Japan} [p. 362] "Kamikochi"; [p. 369] "at (G)" [= Kamonjigoya]; "at (H)" [= Nishiitoya Hotel]; "at the side of Lake Taisho". — Distr.: **PA**: Japan.

tairaprimus SASA & OKAZAWA, 1994: *Research Report from Toyama Prefectural*

Environmental Pollution Research Center **1994**: 72 (*Gymnometriocnemus*). Type-locality: [Japan] "at Taira-mura (Toyama)". — Distr.: **PA**: Japan.

volitans (GOETGHEBUER, 1940): *Bulletin et Annales de la Société Entomologique de Belgique* **80**(1): 59 (*Metriocnemus*). Type-locality: [Introduction, p. 55] "aux environs d'Abisko, en Laponie Suédoise" [= in the vicinity of Abisko, in Swedish Lapland]; [p. 59] "près d'une source" [= near a spring]. — Distr.: **PA**: Denmark, Finland, Italy, Norway, Sweden, Switzerland.

Genus **GYNNIDOCLADIUS** SUBLETTE & WIRTH

GYNNIDOCLADIUS SUBLETTE & WIRTH, 1980: *New Zealand Journal of Zoology* **7**: 322. Type-species: *Gynnidocladius pilulus* Sublette & Wirth, 1980, by original designation.

pilulus SUBLETTE & WIRTH, 1980: *New Zealand Journal of Zoology* **7**: 322 (*Gynnidocladius*). Type-locality: {New Zealand} "Campbell I., Mt Lyall, 180 m". — Distr.: **AU**: New Zealand (Campbell Island).

Genus **GYNOCLADIUS** MENDES, SÆTHER & ANDRADE-MORRAYE

GYNOCLADIUS MENDES, SÆTHER & ANDRADE-MORRAYE, 2005: *Zootaxa* **979**: 2. Type-species: *Gynocladius scalpellosus* Mendes, Sæther & Andrade-Morraye, 2005, by original designation.

scalpellosus MENDES, SÆTHER & ANDRADE-MORRAYE, 2005: *Zootaxa* **979**: 6 (*Gynocladius*). Type-locality: "BRAZIL: São Paulo State, Guapiara city, Parque Estadual Intervales, Lajeado de Cima, temporary pool, 24°26'43" S; 48°26'32" W, 820 m a.s.l.". — Distr.: **NT**: Brazil.

Genus **HALOCLADIUS** HIRVENOJA

HALOCLADIUS HIRVENOJA, 1973: *Annales Zoologici Fennici* **10**: 106. Type-species: *Chironomus varians* Staeger, 1839, by original designation.

HALOCLADIUS HIRVENOJA, 1973: see below as subgenus.

PSAMMOCLADIUS HIRVENOJA, 1973: see below as subgenus.

Subgenus **HALOCLADIUS** HIRVENOJA

fucicola (EDWARDS, 1926): *Proceedings of the Zoological Society of London* **51**: 782 (*Trichocladius*). Type-locality: [Great Britain] "Bucks Mills, N. Devon". — Distr.: **PA**: Faroe Islands, France, Great Britain, Ireland, Netherlands, Norway, Romania, Spain, Turkey.

mediterraneus HIRVENOJA, 1973: *Annales Zoologici Fennici* **10**: 123 (*Halocladius* (*Halocladius*)). Type-locality: "aus Cavi di Lavagná, Italien" [= from Cavi di Lavagná, Italy]. — Distr.: **PA**: Israel, Italy, Lebanon, **?**Madeira.

millenarius (SANTOS-ABREU, 1918): *Memorias de la Real Academia de Ciencias y Artes de Barcelona* **14**(2): 214 (*Orthocladius* (*Paratrichocladius*)). Type-localities: {Canary Islands} "en la isla de la Palma" [= on the island of La Palma]; "en la isla de la Gomera" [= on the island of La Gomera] [Lectotype designation in Cranston & Armitage, 1988: *Deutsche Entomologische Zeitschrift* (Neue Folge) **35(**4/5): 345, "Canary Islands"]. — Distr.: **PA**: Algeria, Canary Islands, France, Italy, Spain, Turkey.

furtivus (SANTOS-ABREU, 1918): *Memorias de la Real Academia de Ciencias y Artes de Barcelona* **14**(2): 216 (*Orthocladius* (*Paratrichocladius*); as var. of *millenarius* Santos-Abreu, 1918). Type-locality: {Canary Islands} "en la isla de la Palma" [= on the island of La Palma]. **Syn. nov.** [**Note**]

pallidicollis (SANTOS-ABREU, 1918): *Memorias de la Real Academia de Ciencias y Artes de Barcelona* **14**(2): 216 (*Orthocladius* (*Paratrichocladius*); as var. of *millenarius* Santos-Abreu, 1918). Type-locality: {Canary Islands} "Santa Cruz de la Palma". **Syn. nov.** [**Note**]

flaviventris (SANTOS-ABREU, 1918): *Memorias de la Real Academia de Ciencias y Artes de Barcelona* **14**(2): 216 (*Orthocladius* (*Paratrichocladius*); as var. of *millenarius* Santos-Abreu, 1918). Type-locality: {Canary Islands} "Santa Cruz de la Palma". **Syn. nov.** [**Note**]

exilis (SANTOS-ABREU, 1918): *Memorias de la Real Academia de Ciencias y Artes de Barcelona* **14**(2): 217 (*Orthocladius* (*Paratrichocladius*); as var. of *millenarius* Santos-Abreu, 1918). Type-locality: {Canary Islands} "Santa Cruz de la Palma". **Syn. nov.** [**Note**]

litorosus (SANTOS-ABREU, 1918): *Memorias de la Real Academia de Ciencias y Artes de Barcelona* **14**(2): 217 (*Orthocladius* (*Paratrichocladius*); as var. of *millenarius* Santos-Abreu, 1918). Type-locality: {Canary Islands} "en la isla de la Palma, en la costa de Puntallana" [= on the island of La Palma, on the coast of Puntallana]. **Syn. nov.** [**Note**]

formosus (SANTOS-ABREU, 1918): *Memorias de la Real Academia de Ciencias y Artes de Barcelona* **14**(2): 219 (*Orthocladius* (*Paratrichocladius*)). Type-localities: {Canary Islands} "en la isla de la Palma, . . . en los Barrancos del Río y de la Madera" [= on the island of La Palma, . . . in the Barrancos del Río and of the Madera [Lectotype designation in Cranston & Armitage, 1988: *Deutsche Entomologische Zeitschrift* (Neue Folge) **35(**4/5): 345, "Canary Islands: La Palma, either los Barrancos del Río or la Madera"].

pulchrigaster (SANTOS-ABREU, 1918): *Memorias de la Real Academia de Ciencias y Artes de Barcelona* **14**(2): 206 (*Orthocladius* (*Paratrichocladius*)). Type-locality: {Canary Isles} "Santa Cruz de la Palma" [Lectotype designation in Cranston & Armitage, 1988: *Deutsche Entomologische Zeitschrift* (Neue Folge) **35(**4/5): 345, "Canary Islands: La Palma, Santa Cruz"].

sororians (SANTOS-ABREU, 1918): *Memorias de la Real Academia de Ciencias y Artes de Barcelona* **14**(2): 212 (*Orthocladius* (*Paratrichocladius*)). Type-locality: {Canary Islands} "en la isla de la Palma, en la Dehesa de la Encarnatión" [= on the island of La Palma, in the Dehesa de la Encarnatión] [Lectotype designation in Cranston & Armitage, 1988: *Deutsche Entomologische Zeitschrift* (Neue Folge) **35(**4/5): 345, "Canary Islands: La Palma, en la Dehesa de la Encarnatión"].

seurati GOETGHEBUER, 1926: *Bulletin de la Société d'Histoire Naturelle de*

l'Afrique du Nord **17**: 153 (*Trichocladius*). Type-locality: {Algérie} "Vasques supralittorales de Tipasa à végétation de *Chaetomorpha linum*" [= in supralittoral pools at Tipasa in the seaweed *Chaetomorpha linum*] [Algérie = Algeria]. **Syn. nov**.

stagnorum (GOETGHEBUER, 1937): *Bulletin et Annales de la Société Entomologique de Belgique* **77**(6): 274 (*Trichocladius*). Type-locality: "aux étangs saumâtres de Fos (B. du Rh.) : France" [= in the salt-marsh of Fos (Bouches du Rhône) : France].

maritimus (GOETGHEBUER & TIMON-DAVID, 1937): *Bulletin et Annales de la Société Entomologique de Belgique* **77**(11): 413 (*Trichocladius*). Type-locality: [France] [Title, p. 409] "l'îlot de Planier" [= islet of Planier]. [**Note**]

variabilis (STAEGER, 1839): *Naturhistorisk Tidsskrift* (1) **2**: 571 (*Chironomus*). Type-locality: [Title, p. 549] "Danmark" [= Denmark] [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 115, "Dänemark"] [= Denmark]. — Dist.: **NE**: Canada (Manitoba, Newfoundland and Labrador, Nova Scotia, Prince Edward Island), Greenland, U.S.A. (Maine, Massachusetts); **PA**: Azores, Balearic Islands, Belgium, Bosnia and Herzegovina, Croatia, Denmark, Estonia, Faroe Islands, Finland, France, Germany, Great Britain, Iceland, Ireland, Norway, Poland, Russia (NET), Spain, Sweden.

oceanicus (PACKARD, 1869): *Comunications of the Essex Institute* **6**: 42 (*Chironomus*). Type-locality: [U.S.A., Massachusetts] "Salem harbor" ‖► Type-locality: [U.S.A., Massachusetts] "on floating eel-grass and in green seaweeds at low water mark in Salem harbor" in Packard, 1869: *Guide to the study of insects*: 370◄‖. Senior primary homnym of *Chironomus oceanicus* Packard, 1869 (below). [**Note**]

oceanicus (PACKARD, 1869): *Guide to the study of insects*: 370 (*Chironomus*). Type-locality: [U.S.A., Massachusetts] "on floating eel-grass and in green seaweeds at low water mark in Salem harbor". **Preoccupied**. Junior primary homnym of

Chironomus oceanicus Packard, 1869 (above).

marinus (ALVERDES, 1911): *Zeitschrift für Wissenschaftliche Insektenbiologie* **7**(2): 58 (*Trichocladius*). Type-locality: {Norway} "in Bergen . . . an der verschiedensten Stellen im Skärgaard . . . auch bei den äussersten Skären" [= in Bergen . . . in various places in Skärgaard . . . also in the extreme Skären].

caspersi (GOETGHEBUER, 1939): *Bulletin et Annales de la Société Entomologique de Belgique* **79**(4/5): 228 (*Trichocladius*; as "*Caspersi*"). Type-locality: [Germany] "à l'Ile d'Heligoland" [= in the island of Heligoland].

? *versicolor* (KIEFFER in KIEFFER & THIENEMANN, 1919): *Entomologische Mitteilungen* **8**: 113 (*Trichocladius*). Type-locality: [Norway] "Lofoten: Svolvaer". **Questionable synonym**.

? *quadrifasciatus* (KIEFFER in MERCIER, 1923): *Annales de la Société Entomologique de Belgique* **63**: 14 (*Trichocladius*; as var. of *marinus* Alverdes, 1911). Type-locality: [Germany] "Bord de mer, au Slesvig-Holstein" [= seashore, at Schleswig-Holstein]. **Questionable synonym**.

varians (STAEGER, 1839): *Naturhistorisk Tidsskrift* (1) **2**: 573 (*Chironomus*). Type-locality: [Title, p. 549] "Danmark" [= Denmark] [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 119, "Dänemark"] [= Denmark]. — Distr.: **?NE**: **?**Greenland; **PA**: Azores, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Denmark, Faroe Islands, France, Germany, Great Britain, Iceland, Ireland, Italy, Lebanon, Madeira, Morocco, Netherlands, Norway, Portugal, Spain, Sweden.

halophilus (KIEFFER, 1909): *Bulletin de la Société d'Histoire Naturelle de Metz* **26**: 46 (*Trichocladius*; as "*Halophilus*"). Type-locality: {Allemagne} [= Germany] "près de Hamm, en Westphalie" [= near Hamm, in Westphalia].

eusandalum (KIEFFER in THIENEMANN & KIEFFER, 1916): *Archiv für Hydrobiologie Supplement* **2**(3): 511 (*Trichocladius*; as var of *halophilus* Kieffer, 1909). Type-localities: {Sweden} "Hälsingborg"; "Kullen"; "Rockpools, am Kullen" [= rockpools, at Kullen].

flavicauda (KIEFFER in THIENEMANN & KIEFFER, 1916): *Archiv für Hydrobiologie Supplement* **2**(3): 509 (*Trichocladius*). Type-locality: {Sweden} "Hälsingborg, Drottninggatan".

Subgenus **PSAMMOCLADIUS** HIRVENOJA

PSAMMOCLADIUS HIRVENOJA, 1973: *Annales Zoologici Fennici* **10**: 110 (as subgenus of *Halocladius* Hirvenoja, 1973). Type-species: *Cricotopus braunsi* Goetghebuer, 1942, by original designation.

braunsi (GOETGHEBUER, 1942): *Bulletin du Musée Royal d'Histoire Naturelle de Belgique* **18**(46): 10 (*Cricotopus*; as "*Braunsi*"). Type-locality: "Allemagne" [= Germany] ‖►Type-locality: "Kniepsand von Amrum, Deutschland" [= Kniepsand of Amrum, Germany] in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 110]◄‖. — Distr.: **PA**: France, Germany, Great Britain, Ireland, Netherlands, Spain.

psammophilus (REMMERT, 1953): *Kieler Meeresforschungen* **9**(2): 236 (*Trichocladius*). Type-locality: [Germany] "Nordseeinsel Amrum" [= North Sea island of Amrum].

Nomina dubia in HALOCLADIUS

vitripennis (MEIGEN, 1818): *Systematische Beschreibung* **1**: 32 (*Chironomus*). Type-locality: [Title] "europäischen" [= European].

Genus **HANOCLADIUS** WANG & SÆTHER

HANOCLADIUS WANG & SÆTHER, 2002: *Hydrobiologia* **468**: 181 Type-species: *Hanocladius longipes* Wang & Sæther, 2002, by original designation.

longipes WANG & SÆTHER, 2002: *Hydrobiologia* **468**: 182 (*Hanocladius*). Type-locality: "CHINA: Hubei Province, Wufeng County, Houhe". — Distr.: **OR**: China (Hubei).

Genus **HELENIELLA** GOWIN

HELENIELLA GOWIN, 1943: *Archiv für Hydrobiologie* **40**(1): 116. Type-species: *Heleniella thienemanni* Gowin, 1943 [= *Spaniotoma* (*Smittia*) *ornaticollis* Edwards, 1929], by original designation.

asiatica REISS, 1968: *Khumbu Himal* **3**: 69 (*Heleniella*). Type-locality: {Nepal} "Tshola Tso, nördlich von Namche-Bazar, ca. 4500 m ü. N. N. Nachtfang am Seeufer". — Distr.: **OR**: Nepal.

curtistila SÆTHER, 1969: *Bulletin of the Fisheries Research Board of Canada* **170**: 130 (*Heleniella*). Type-locality: [Canada] "small mountain stream, . . . Marion Lake, University of British Columbia Forestry Farm, Haney, B.C." [B.C. = British Columbia]. — Distr.: **NE**: Canada (Alberta, British Columbia, Ontario); **PA**: China (Ningxia); **OR**: China (Sichuan).

dorieri SERRA-TOSIO, 1967: *Deutsche Entomologische Zeitschrift* (Neue Folge) **14(**1/2): 153 (*Heleniella*). Type-locality: {Alpes françaises} [= French Alps] "dans un petit torrent (dit „du Ravin des Deux Soeurs") affluent du torrents des Etançons, au Nord de La Bérarde (Massif de La Meije, Isère)" [= in a small stream (called „du Ravin des Deux Soeurs") tributary stream of the Etançons, north of La Bérarde (Massif de La Meije, Isère)]. — Distr.: **PA**: Austria, France, Italy, Switzerland.

extrema ALBU, 1972: *Studii şi Cercetări de Biologie, Série Biologie animală* **24**(1): 16 (*Heleniella*). Type-locality: [Romania] "Tăului Negru din Masivul Retezat (altitudine 2036 m)" [= Tăului Negru of the Retezat Massif (altitude 2036 metres)]. — Distr.: **PA**: Romania. [**Note**]

externa: incorrect subsequent spelling.

hirta SÆTHER, 1969: *Bulletin of the Fisheries Research Board of Canada* **170**: 134 (*Heleniella*). Type-locality: [Canada] "Hermit Trail Stream, Gatineau Park, Que." [Que. = Québec]. — Distr.: **NE**: Canada (Nova Scotia, Ontario, Québec), U.S.A. (Georgia, North Carolina, Ohio).

nebulosa ANDERSEN & WANG, 1997: *Spixiana* **20**(2): 152 (*Heleniella*). Type-locality:

"THAILAND, Chiang Mai province, Doi Suthep, approx. 1 km northwest of Wat Phra That temple". — Distr.: **OR**: China (Fujian), Thailand.

ornaticollis (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 359 (*Spaniotoma* (*Smittia*)). Type-localities: [Great Britain] "Nelson, Lancs." [Lancs. = Lancashire]; "Fatfield, Durham"; [Ireland] "Killarney". — Distr.: **PA**: Algeria, Austria, Balearic Islands, Belgium, Corsica, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Lebanon, Luxembourg, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Spain, Sweden, Switzerland, Turkey, Ukraine.

thienemanni GOWIN, 1943: *Archiv für Hydrobiologie* **40**(1): 117 (*Heleniella*). Type-locality: [Austria, near Lunz] "Maiergraben (II, III)".

intermedia SERRA-TOSIO, 1967: *Deutsche Entomologische Zeitschrift* (Neue Folge) **14(**1/2): 157 (*Heleniella*). Type-locality: {Alpes françaises} [= French Alps] "à Seyssins près de Grenoble, à 380 mètres d'altitude" [= at Seyssins near Grenoble, at an altitude of 380 metres].

osarumaculata SASA, 1988: *Research Report from the National Institute for Environmental Studies* **121**: 39 (*Heleniella*). Type-locality: {Hokkaido, Japan} "at the side of Osaru River". — Distr.: **PA**: Japan, Russia (Far East); **OR**: China (Zhejiang).

otujimaculata SASA & OKAZAWA, 1994: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1994**: 77 (*Heleniella*; [p. 77] as "*otujimaculata*", [p. 86] as "*otujisecunda*"). Type-locality: [Japan] [p. 76] "on the slope of Mount Otsuji". — Distr.: **PA**: Japan. [**Note**]

otujisecunda: incorrect original spelling.

parva SÆTHER, 1985: *Entomologica Scandinavica* **15**(4): 532 (*Heleniella*). Type-locality: "U.S.A.: South Carolina: Salem, Oconee Co., Jocasse Reservoir". — Distr.: **NE**: U.S.A. (Kansas, North Carolina, South Carolina, Tennessee).

serratosioi RINGE, 1976: *Archiv für Hydrobiologie* **77**(2): 255 (*Heleniella*). Type-localities: [Germany] "Gewächshaus Rohrwiesenbach" [= glasshouse on the Rohrwiesenbach]; "Gewächshaus Kalkbach" [= glasshouse on the Kalkbach];

"aus dem Wildbach La Donnière bei Chichiliane/Isère, Frankreich" [from the torrent La Donnière at Chichiliane/Isère, France]. — Distr.: **PA**: Austria, Corsica, Finland, France, Germany, Italy, Lebanon, Luxembourg, Morocco, Portugal, Slovakia, Spain, Switzerland, Turkey.

sp.: COFFMAN, YURASITS & DE LA ROSA, 1988: *Spixiana Supplement* **14**: 158 (*Heleniella*). Locality: "South India". — Distr.: **OR**: India (Kerala or Tamil Nadu).

sp.: ANDERSEN & WANG, 1997: *Spixiana* **20**(2): 157 (*Heleniella*). Locality: "CHINA, Sichuan, Mt. Jinfo". — Distr.: **OR**: China (Sichuan).

Genus **HETEROTANYTARSUS** SPÄRCK

HETEROTANYTARSUS SPÄRCK, 1923: *Entomologiske Meddelelser* **14**(2/3): 92. Type-species: *Metriocnemus apicalis* Kieffer, 1921, by monotypy. [**Note**]

apicalis (KIEFFER, 1921): *Archiv für Hydrobiologie Supplement* **2**(4): 806 (*Metriocnemus*). Type-locality: [Czech Republic] "Böhmen" [= Bohemia]. — Distr.: **PA**: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Ireland, Italy, Luxembourg, Netherlands, Norway, Poland, Portugal, Romania, Russia (NET), Spain, Sweden, Switzerland.

brundini FITTKAU, 1956: *Bericht der Limnologischen Flußstation Freudenthal* **7**: 9 (*Heterotanytarsus*). Type-locality: "in einem kleinen rechten Seitenbach des Abiskojokk im Birkenwald 2-3 km oberhalb der Touriststation Abisko in Schwedisch-Lappland" [= in a small, right-side brook tributary to the Abiskojokk in the birch forest 2-3 kilometres upstream of the Abisko tourist station in Swedish Lapland]. — Distr.: **PA**: Finland, Norway, Sweden.

nudalus SÆTHER, 1975: *Journal of the Fisheries Research Board of Canada* **32**(2): 263 (*Heterotanytarsus*). Type-locality: [Canada] "Lake 122, Freshwater Institute Experimental Lake Area, Kenora, Ont." [Ont. = Ontario]. — Distr.: **NE**: Canada (Ontario).

perennis SÆTHER, 1975: *Journal of the Fisheries Research Board of Canada* **32**(2): 260

(*Heterotanytarsus*). Type-locality: [Canada] "Marion Lake, B.C." [B.C. = British Columbia]. — Distr.: **NE**: Canada (British Columbia).

Nomina dubia in HETEROTANYTARSUS

cinereipennis (LUNDSTRÖM, 1910): *Acta Societatis pro Fauna et Flora Fennica* **33**(10): 17 (*Orthocladius*). Type-localities: [Finland] "Ab. Kuustö" [= Regio abiënsis, Kuustö]; "Ta. Birkala" [= Tavastia australis, Birkala]; "Ka. Weckelaks . . . auf einem gefrorenen Flusse in der Nähe von Oeffnungen" [= Karelia australis, Wederlaks . . . on a frozen river near openings in the ice]; "Kl. Jaakkima" [= Karelia ladogensis, Jaakkima]; [Russia, Northern European Territory] "Ol. Petrosawodsk" [= Karelia olonetsensis, Petrozavodsk].

Genus **HETEROTRISSOCLADIUS** SPÄRCK

HETEROTRISSOCLADIUS SPÄRCK, 1923: *Entomologiske Meddelelser* **14**(2/3): 94. Type-species: *Metriocnemus cubitalis* Kieffer, 1911 [**?** = *Chironomus marcidus* Walker, 1856], by subsequent designation of Goetghebuer in Goetghebuer & Lenz (1940: *Die Fliegen der Palaearktischen Region* **13g**: 6).

bazovi MAKARCHENKO & MAKARCHENKO in MAKARCHENKO, MAKARCHENKO & BAZOVA, 2010: *Evraziatskii Entomologicheskii Zhurnal* **9**(3): 312 (*Heterotrissocladius*). Type-locality: {Russia, East Siberia} **r. Selenga, v r-ne pos. Kolecovo** [= River Selenga, in the vicinity of the town of Kolecovo]. — Distr.: **PA**: Russia (East Siberia).

boltoni SÆTHER, 1993: *Netherlands Journal of Aquatic Ecology* **26**(2/4): 191 (*Heterotrissocladius*). Type-locality: "U.S.A.: Ohio, Franklin Co., Sharon Woods Pk, woodland trickle". — Distr.: **NE**: U.S.A. (Ohio).

brundini SÆTHER & SCHNELL, 1988: *Spixiana Supplement* **14**: 58 (*Heterotrissocladius*). Type-locality: "Lake Repstadvatn, Birkenes, Aust-Agder, Norway". — Distr.: **PA**: Finland, Great Britain, Norway, Sweden.

chandra (SINGH, 1958): *Proceedings of the National Academy of Sciences of India* (B) **28**:

312 (*Metriocnemus* (*Heterotrissocladius*)). Type-locality: [India, Himachal Pradesh] "Pir Panjal Range, opposite Kulti Nal, Chandra Valley (Lahaul), 3636 m" [Lahaul = Lahul]. — Distr.: **OR**: India (Himachal Pradesh).

changi SÆTHER, 1975: *Bulletin of the Fisheries Research Board of Canada* **193**: 47 (*Heterotrissocladius*). Type-locality: [Canada] "¼ mile offshore George Island, Lake Winnipeg, Man." [Man. = Manitoba]. — Distr.: **NE**: Canada (Alberta, Manitoba, Northwest Territories, Ontario, Saskatchewan), U.S.A. (Colorado, Illinois, Indiana, Michigan, Minnesota, New York); **PA**: Russia (NET, East Siberia, Far East).

chuzedecimus (SASA, 1984): *Research Report from the National Institute for Environmental Studies* **70**: 84 (*Parametriocnemus*). Type-locality: [Japan] {Nikko National Park} "Lake Chuzenji". — Distr.: **PA**: Japan.

cooki SÆTHER, 1975: *Bulletin of the Fisheries Research Board of Canada* **193**: 41 (*Heterotrissocladius*). Type-locality: [U.S.A.] "Lower LaSalle Lake, Hubbard Co., Minn." [Minn. = Minnesota]. — Distr.: **NE**: U.S.A. (Minnesota).

flectus KONG & WANG, 2011: *Zootaxa* **2733**: 63 (*Heterotrissocladius*). Type-locality: "CHINA: Zhejiang Province, Tianmushan Natural Conversation area" [error, Conversation = Conservation]. — Distr.: **OR**: China (Guizhou, Zhejiang).

grimshawi (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 313 (*Metriocnemus*). Type-localities: [Great Britain] "Glencorse"; [Ireland] "Killarney". — Distr.: **PA**: Belgium, Denmark, Faroe Islands, Finland, France, Germany, Great Britain, Iceland, Ireland, Italy, Norway, Russia (East Siberia, **?**Far East), Sweden.

hirtapex SÆTHER, 1975: *Bulletin of the Fisheries Research Board of Canada* **193**: 39 (*Heterotrissocladius*). Type-locality: [Canada] "large stream, Kenora, Ontario". — Distr.: **NE**: Canada (Ontario).

kamibeceus SASA & HIRABAYASHI, 1993: *Japanese Journal of Sanitary Zoology* **44**(4): 371 (*Heterotrissocladius*). Type-locality: {Nagano, Japan} [p. 362] "Kamikochi"; [p. 371] "at the side of Lake Myojin-Ike". — Distr.: **PA**: Japan.

kurokeleus SASA, 1996: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996** (**December**): 25 (*Heterotrissocladius*). Type-locality: [Japan] "at the side of Kuroyon Dam". — Distr.: **PA**: Japan.

kuluensis (SINGH, 1958): *Proceedings of the National Academy of Sciences of India* (B) **28**: 309 (*Metriocnemus* (*Heterotrissocladius*)). Type-locality: {India} "River Beas near Rahla Forest Inspection Hut, 2700 m". — Distr.: **OR**: India (Himachal Pradesh).

latilaminus SÆTHER, 1975: *Bulletin of the Fisheries Research Board of Canada* **193**: 36 (*Heterotrissocladius*). Type-locality: [Canada] "Marion Lake, B.C." [B.C. = British Columbia]. — Distr.: **NE**: Canada (British Columbia), U.S.A. (Montana).

maeaeri BRUNDIN 1949: *Reports from the Institute of Freshwater Research, Drottningholm* **30**: 812 (*Heterotrissocladius*; as "*Määri*"). Type-locality: [Sweden] "aus dem subarktischen See Stora Blåsjön im nördlichen Jämtland" [= from the sub-arctic lake Stora Blåsjön in northern Jämtland]. — Distr.: **NE**: U.S.A. (Alaska); **PA**: Finland, Norway, Russia (NET, Far East), Sweden. [**Note**]

Määri: incorrect original spelling.

marcidus (WALKER, 1856): *Insecta Britannica Diptera* **3**: 177 (*Chironomus*). Type-locality: [Great Britain] "(E.)" [= England]. — Distr.: **NE**: Canada (British Columbia, Ontario, Québec), U.S.A. (Florida, Georgia, Michigan, New York, North Carolina, Ohio, South Carolina); **PA**: Austria, Belgium, China (Jilin), Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Iceland, Ireland, Italy, Japan, Luxembourg, Mongolia, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET, Far East), Slovakia, Spain, Sweden, Switzerland; **OR**: China (Sichuan, Tibet).

aestivalis (GOETGHEBUER, 1921): *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 76 (*Metriocnemus*). Type-locality: {Belgique} [p. 188] "Hockai (Subalp.)" [Belgique = Belgium].

alticola (GOETGHEBUER, 1934): *Bulletin et Annales de la Société Entomologique de*

Belgique **74**(10): 339 (*Metriocnemus*). Type-locality: [Germany, Garmisch-Partenkirchen] "Larves dans une source à 1075 m. d'altitude" [= Larvae in a spring at an altitude of 1075 metres; - locality should have included "(G.-P.)" for Garmisch-Partenkirchen].

triangulifer (SPÄRCK, 1923): *Entomologiske Meddelelser* **14**(2/3): 94 (*Metriocnemus*). Type-locality: [Poland] "in der Oder bei Brieg, Schlesien" [= in the Oder near Brzeg, Silesia]. Senior primary homonym and senior synonym of *Metriocnemus triangulifer* Kieffer, 1924 (below). [**Note**]

triangulifer (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 99 (*Metriocnemus*). Type-locality: [Poland] "Silésie" [= Silesia] and [Introduction, p. 11] "sur un haut plateau tourbeux, nommé Seefelder" [= on a highland moor, named Seefelder]. **Preoccupied**. Junior primary homonym and junior synonym of *Metriocnemus triangulifer* Spärck, 1923 (above). [**Note**]

? *cubitalis* (KIEFFER, 1911): *Bulletin de la Société Entomologique de France* **1911**: 200 (*Metriocnemus*). Type-locality: Not given ‖ ►Type-locality: [Introduction] "Allemagne" [= Germany] in Kieffer, 1911: *Bulletin de la Société Entomologique de France* **1911**: 181◄‖. **Questionable synonym**.

? *longicollis* (KIEFFER, 1913): *Bulletin de la Société d'Histoire Naturelle de Metz* **28**: 34 (*Metriocnemus*). Type-locality: {Allemagne} [= Germany] "Münster en Westphalie" [= Münster in Westphalia]. **Questionable synonym**.

oliveri SÆTHER, 1975: *Bulletin of the Fisheries Research Board of Canada* **193**: 19 (*Heterotrissocladius*). Type-locality: [Canada, Nunavut] "Hazen Camp, Ellesmere Island, N.W.T." [N.W.T. = Northwest Territories; type-locality now in Nunavut Province]. — Distr.: **NE**: Canada (British Columbia, Northwest Territories, Nunavut, Ontario, Saskatchewan), Greenland, U.S.A. (California, Illinois, Indiana, Michigan, Minnesota, New York, Wisconsin).

quartus KONG & WANG, 2011: *Zootaxa* **2733**: 65 (*Heterotrissocladius*). Type-locality: "CHINA: Guangxi Autonomous Region, Jinxiu Autonomous County, Luoxiang Town". — Distr.: **OR**: China (Guangxi).

reductus KONG & WANG, 2011: *Zootaxa* **2733**: 66 (*Heterotrissocladius*). Type-locality: "CHINA: Fujian Province, Wuyishan Mountain Natural Conversation area" [error, Conversation = Conservation]. — Distr.: **OR**: China (Fujian).

scutellatus (GOETGHEBUER, 1942): *Bulletin du Musée Royal d'Histoire Naturelle de Belgique* **18**(46): 15 (*Metriocnemus* (*Heterotrissocladius*)). Type-locality: [Austria] "Lunzersee" [= lake at Lunz]. — Distr.: **PA**: Austria, China (Ningxia), Finland, Germany, Luxembourg, Norway, Switzerland.

sonah (MAKARCHENKO & MAKARCHENKO, 2007): *Evraziatskii Entomologicheskii Zhurnal* **6**(3): 303 (*Paraphaenocladius*). Type-locality: {Russia, Far East} **Khabarovskii kr., r. Sonakh, bassein r. Amgun′, verkh. techenie, N 51°26.822', E 135°15.320'** [= Khabarovsk Krai, River Sonakh, basin of the River Amgun, upper course, N 51°26.822', E 135°15.320']. — Distr.: **PA**: Russia (Far East).

subpilosus (KIEFFER in KIEFFER & LUNDBECK, 1911): *Avifauna Spitzbergensis*: 273 (*Dactylocladius*). Type-locality: [Norway] "Bären-Insel, Südostseite " [= Bear Island, southeast side]. — Distr.: **NE**: Greenland, U.S.A. (Alaska); **PA**: Bear Island, Finland, France, Japan, Mongolia, Norway, Romania, Russia (NET, East Siberia, Far East, West Siberia), Sweden.

paratatricus (CHERNOVSKII, 1949): *Opredeliteli po Faune SSSR, izdavaemye Zoologicheskim Institutom AN SSSR* **31**: 145 (*Orthocladius*). Type-localities: [Russia, Northern European Territory] **v Karelii** [= in Karelia]; [Russia, West Siberia] **na Altae v Teletskom ozere** [= on the Altai in Teletskoe Lake] [Lectotype designated in Przhiboro & Sæther, 2008: *Zootaxa* **1763**: 38, [Russia, Northern European Territory] "Onezhskoe Ozero?" [= Onega Lake]. [**Note**]

zierli STUR & WIEDENBRUG, 2005: *Aquatic Insects* **27**(2): 128 (*Heterotrissocladius*). Type-locality: "Germany, Bavaria, Nationalpark BGL, Herrenroint, spring no. 308, 12°58'20 E, 47°34'40 N, at 1250 m elevation, rheohelocrene spring". — Distr.: **PA**: Germany.

Nomina dubia probably in HETEROTRISSOCLADIUS

callosus (BECHER, 1886): *Beobachtungs-Ergebnisse / Die Internationale Polarforschung, 1882-1883,* **3**: 64 (*Chironomus*). Type-locality: [Norway] [Title] "Jan Mayen".

incomptus (ZETTERSTEDT, 1838): *Insecta Lapponica* [Heft 3]: 816 (*Chironomus*). Type-locality: [Finland] "in Lapponia Tornensi" [= in Tornio Lapland]; "Lapponia-Bottnia borealis ad Turtola prope Tornoam" [= northern Lapland-Bottnia at Turtola near Tornio].

similis (KIEFFER, 1922): *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **2**: 11 (*Metriocnemus*). Type-localities: [Russia] {Nouvelle-Zemble} "Zivolka Fjord"; "Archangelbugten" [= Archangel Bay].

similus: incorrect original spelling.

Genus **HEVELIUS** SUBLETTE & WIRTH

HEVELIUS SUBLETTE & WIRTH, 1980: *New Zealand Journal of Zoology* **7**: 320. Type-species: *Hevelius carinatus* Sublette & Wirth, 1980, by original designation.

carinatus SUBLETTE & WIRTH, 1980 : *New Zealand Journal of Zoology* **7**: 321 (*Hevelius*). Type-locality: {New Zealand} "Campbell I., Mt Lyall, 180 m". — Distr.: **AU**: New Zealand (Auckland Islands, Campbell Island).

Genus **HYDROBAENUS** FRIES

HYDROBAENUS FRIES, 1830: *Kungliga Svenska VetenskapsAkademiens Handlingar* 1829: 177 (as "*Hydrobænus*"). Type-species: *Hydrobaenus lugubris* Fries, 1830, by original designation. Senior homonym of *Hydrobaenus* Fries, 1831.

PSILOCERUS RUTHE, 1831: *Isis* (Oken's) **15**(12): 1207. Type-species: *Chironomus occultans* Meigen, 1830 [= *Hydrobaenus lugubris* Fries, 1830], by monotypy. Synonymized with *Hydrobaenus* Fries, 1830, by Schiner (1868: *Reise der Österreichischen Fregatte Novara, Diptera* **2**: 24).

HYDROBAENUS FRIES, 1831: *Isis* (Oken's) **15**(12): 1350. Type-species: *Hydrobaenus lugubris* Fries, 1831 [= *Hydrobaenus lugubris* Fries, 1830], by original designation.

Preoccupied. Junior homonym of *Hydrobaenus* Fries, 1830.

EUTRISSOCLADIUS GOETGHEBUER in GOETGHEBUER & LENZ, 1950: *Die Fliegen der Palaearktischen Region* **13g**: 148 (as subgenus of *Trissocladius* Kieffer, 1908). Type-species: *Trissocladius griseipennis* Goetghebuer, 1913 [= *Hydrobaenus lugubris* Fries, 1830], by original designation. Synonymized with *Hydrobaenus* Fries, 1830, by Brundin (1956: *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 72).

BISAIYUSURIKA SASA & KONDO, 1994: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1994**: 135. Type-species: *Bisaiyusurika kisorectangulata* Sasa & Kondo, 1994, by original designation. Synonymized with *Hydrobaenus* Fries, 1830, by Sæther, Ashe & Murray (2000: *Manual of Palaearctic Diptera* **4** (Appendix): 179).

URESICLADIUS SASA & SUZUKI, 1998: *Bulletin of Toyama Prefectural Environmental Pollution Research Center* **25**(3): 85. Type-species: *Trissocladius itachigranulatus* Sasa & Kawai, 1987, by original designation. Synonymized with *Hydrobaenus* Fries, 1830, by Sæther, Ashe & Murray (2000: *Manual of Palaearctic Diptera* **4** (Appendix): 179).

IKISECUNDUS SASA & SUZUKI, 1999: *Tropical Medicine* **41**(3): 158. Type-species: *Ikisecundus ikijekeus* Sasa & Suzuki, 1999, by monotypy. Synonymized with *Hydrobaenus* Fries, 1830, by Yamamoto (2004: *Makunagi* **21**: 40).

biwagrandis SASA & NISHINO, 1996: *Japanese Journal of Sanitary Zoology* **47**(4): 320 (*Hydrobaenus*). Type-locality: {Japan} "on the shore of Lake Biwa at Shina". — Distr.: **PA**: Japan.

biwaquartus (SASA & KAWAI, 1987): *Lake Biwa Study Monographs* **3**: 45 (*Eukiefferiella*). Type-locality: [Introduction, p. 1] "Lake Biwa . . . in Japan, located in Shiga Prefecture, central Honshu, at about 35°N in latitude and 85 m in altitude". — Distr.: **PA**: Japan, Russia (Far East).

tusimoijeus (SASA & SUZUKI, 1999): *Tropical Medicine* **41**(2): 86 (*Eukiefferiella*). Type-locality: [Introduction, p. 75] "Tsushima Island . . . western Japan].

ikijekeus (SASA & SUZUKI, 1999): *Tropical Medicine* **41**(3): 158 (*Ikisecundus*). Type-locality: [Title, p. 143] "Western Japan. . . . Iki Island"; [p. 158] "Umenoki Dam".

calvescens SÆTHER, 1976: *Bulletin of the Fisheries Research Board of Canada* **195**: 158 (*Hydrobaenus*). Type-locality: [U.S.A.] "Platte Creek, Lake Francis Case, Platte , S.D." [S.D. = South Dakota]. — Distr.: **NE**: U.S.A. (South Dakota).

conformis (HOLMGREN, 1869): *Kungliga Svenska VetenskapsAkademiens Handlingar* **8**(5): 42 (*Chironomus*). Type-locality: [Norway] "Hab. in Spetsbergia, ad Smeerenberg" [= Dwells in Spitzbergen, at Smeerenberg]. — Distr.: **NE**: Canada (Newfoundland and Labrador, $Northwest Territories, Québec), Greenland; **PA**: Algeria, Finland, France, Japan, Lebanon, Norway, Russia (East Siberia, Far East, Franz Josef Land), Spitzbergen, Sweden.

natvigi (GOETGHEBUER, 1933): *Skrifter om Svalbard og Ishavet* **53**: 25 (*Orthocladius* (*Chaetocladius*); as "*Natvigi*"). Type-locality: "[Russia] "Eiraham, Belløya (Terre de Francçois Joseph)" [= Franz Josef Land].

obesus (GOETGHEBUER, 1940): *Bulletin et Annales de la Société Entomologique de Belgique* **80**(1): 60 (*Orthocladius*). Type-locality: [Introduction, p. 55] "aux environs d'Abisko, en Laponie Suédoise" [= in the vicinity of Abisko, in Swedish Lapland]; [p. 61] "Torneträsk, à la surface de l'eau" [= Torneträsk, on the surface of the water].

paralaminatus (BRUNDIN, 1947): *Arkiv för Zoologi* **39A**: 26 (*Chaetocladius*). Type-locality: {Sweden} "Jmtl. Ankarede . . . im Walde zwishen Ankarvattnet und Leipikvattnet" [= Jämtland Ankarede . . . in a forest between Ankarvattnet and Leipikvattnet].

labradorensis SÆTHER, 1976: *Bulletin of the Fisheries Research Board of Canada* **195**: 89 (*Hydrobaenus*, as subspecies of *conformis* Holmgren, 1869). Type-locality: [Canada] "Astray Lake, Labrador, Nfld." [Nfld. = Newfoundland].

kameii (SASA, 1989): *Research Report Toyama Prefectural Environmental Pollution Research Center* **1989**: 72 (*Eukiefferiella*). Type-locality: {Japan} "at

Kawaguchi Dam of Naka River".

kisorectangulatus (SASA & KONDO, 1994): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1994**: 135 (*Bisaiyusurika*). Type-locality: {Japan} "on the shore of the Kiso River at Bisai".

kisotroangulata: incorrect original spelling.

hidakaefeus (SASA & SUZUKI, 2001): *Tropical Medicine* **42**(3/4): 185 (*Bisaiyusurika*). Type-locality: {Hokkaido, Japan} [p. 178] "in the Hidaka Mountain areas"; [p. 185] "Nakasatsunai Village".

cranstoni LANGTON & COBO, 1992: *British Journal of Entomology and Natural History* **5**(4): 139 (*Hydrobaenus*). Type-locality: "River Sar (Galicia, north-west Spain)". — Distr.: **PA**: Spain.

dentistylus MOUBAYED, 1985: *Bulletin de la Société d'Histoire Naturelle de Toulouse et de Midi-Pyrénées* **121**: 73 (*Hydrobaenus*). Type-locality: {Liban} "Jib-Jennine qui se situe sur la rivière Litani à 800 m d'altitude" [= Jib-Jennine which is located on the River Litani at an altitude of 800 metres] [Liban = Lebanon]. — Distr.: **PA**: Lebanon.

distylus (POTTHAST, 1914): *Archiv für Hydrobiologie Supplement* **2**(2) [Preprint]: 371 (*Orthocladius*). Type-locality: [Germany] "Nienberger Chausseegraben" [= Nienberge, Chaussee ditch]. Senior primary homonym of *Dactylocladius distylus* Kieffer, 1915 (below). — Distr.: **PA**: Austria, Belgium, Czech Republic, Denmark, France, Germany, Great Britain, Hungary, Italy, Mongolia, Netherlands, Norway, Russia (CET), Slovakia, Spain. [**Note**]

distylus (KIEFFER, 1915): *Brotéria, Série Zoológica* **13**: 85 (*Dactylocladius*). Type-locality: "Deutschland (Westfalen)" [= Germany (Westphalia)]. **Preoccupied**. Junior primary homonym and synonym of *Dactylocladius distylus* Potthast, 1914 (above).

fusistylus (GOETGHEBUER, 1933): *Skrifter om Svalbard og Ishavet* **53**: 26 (*Orthocladius* (*Chaetocladius*)). Type-locality: "Au bord de la mer (Groenland orient.)" [= On

the sea shore (east Greenland)]. — Distr.: **NE**: Canada (Alberta, Nunavut), Greenland, U.S.A. (Alaska, Colorado, Montana); **PA**: **?**Finland, Russia (NET, Far East).

octomerus SÆTHER, 1976: *Bulletin of the Fisheries Research Board of Canada* **195**: 99 (*Hydrobaenus*; as var. of *fusistylus* Goetghebuer, 1933). Type-locality: [Canada, Nunavut] "Hazen Camp, Ellesmere Island, N.W.T." [N.W.T. = Northwest Territories; type-locality now in Nunavut Province].

ginzanneous SASA & SUZUKI, 2001: *Tropical Medicine* **43**(1/2): 22 (*Hydrobaenus*). Type-locality: {Hokkaido, Japan} "Ginzan". — Distr.: **PA**: Japan.

hudsoni SÆTHER, 1976: *Bulletin of the Fisheries Research Board of Canada* **195**: 131 (*Hydrobaenus*). Type-locality: [U.S.A.] "St. Phillips Bay, Pickstown, S.D." [S.D. = South Dakota]. — Distr.: **NE**: U.S.A. (South Dakota).

itachigranulatus (SASA & KAWAI, 1987): *Bulletin of the Toyama Science Museum* **10**: 65 (*Trissocladius*). Type-locality: {Japan, Stream Itachigawa, Toyama} "on the shore of the Itachigawa". — Distr.: **PA**: Japan.

jacuticus MAKARCHENKO & MAKARCHENKO, 2011: *Evraziatskii Entomologicheskii Zhurnal* **10**(3): 392 (*Hydrobaenus*). Type-locality: {Russia} **Yuzhnaya Yakutiya, Neryungrinskii r-n, r. Gorbyllakh, N 56°18.159', E 124°47.316'** [= South Yakutia, Neryungrinsky District, River Gorbyllakh, N 56°18.159', E 124°47.316']. — Distr.: **PA**: Russia (East Siberia).

kisosecundus SASA & KONDO, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 102 (*Hydrobaenus*). Type-locality: [Japan] [Abstract, p. 101] "on the bank along the middle reaches of Kiso River at Bisai-shi, Aichi Prefecture". — Distr.: **PA**: Japan, Russia (Far East).

kondoi SÆTHER, 1989: *Entomologica Scandinavica* **20**(1): 57 (*Hydrobaenus*). Type-locality: "JAPAN: Aichi Prefecture, Bisai, Nishinakano, banks of Kiso River". — Distr.: **PA**: Japan.

kotsuki MAKARCHENKO & MAKARCHENKO, 2012: *Evraziatskii Entomologicheskii*

Zhurnal **11**(2): 121 (*Hydrobaenus*). Type-locality: {Russian Far East} **Amurskaya oblast: Selemdzhinskii r-n, severnaya okraina pos. Zlatoustovsk, ruch. Kazachenskii, bass. r. Zeya** [= Amur Oblast: Selemdzhinsky District, northern suburb of the settlement of Zlatoustovsk, Kazachensky brook, basin of the River Zeya]. — Distr.: **PA**: Russia (Far East).

lapponicus (BRUNDIN, 1956): *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 76 (*Trissocladius*). Type-localities: "Schwedisch-Lappland, Torneträskgebiet: . . . aus stehenden arktischen Gewässern südlich Riksgränsen . . . aus dem Katterjaure . . . perennierenden Tümpeln am Gipfel des Norddalsfjället, 1050 m" [= Swedish Lapland, Torneträsk region: . . . from standing arctic waters south of Riksgränsen . . . from the Katterjaure . . . perennial ponds on the summit of Norddalsfjället, 1050 metres] [Lectotype designation in Sæther, 1976: *Bulletin of the Fisheries Research Board of Canada* **195**: 104, "Swedish Lapland"]. — Distr.: **PA**: Finland, Russia (East Siberia), Sweden.

laticaudus SÆTHER, 1976: *Bulletin of the Fisheries Research Board of Canada* **195**: 80 (*Hydrobaenus*). Type-locality: [U.S.A.] "pond 6, Ogotoruk Creek, Cape Thompson, Alaska". — Distr.: **NE**: U.S.A. (Alaska); **PA**: Russia (Far East).

lugubris FRIES, 1830: *Kungliga Svenska VetenskapsAkademiens Handlingar* **1829**: 179 (*Hydrobaenus*; as "*Hydrobænus*"). Type-locality: [Sweden] "Lund i Skåne" [= Lund in Skåne Province]. Senior primary homonym of *Hydrobaenus lugubris* Fries, 1831. — Distr.: **PA**: Austria, Belgium, Czech Republic, Denmark, France, Germany, Hungary, Netherlands, Norway, Poland, Russia (NET, East Siberia), Slovakia, Sweden.

occultans (MEIGEN, 1830): *Systematische Beschreibung* **6**: 254 (*Chironomus*). Type-locality: [Germany] "aus der Gegend von Spandau, . . . in Berlin" [= from the district of Spandau, . . . in Berlin].

lugubris FRIES, 1831: *Isis* (Oken's) **15**(12): 1352 (*Hydrobaenus*). Type-locality: [Sweden] "Lund in Schonen" [= Lund in Skåne Province]. **Preoccupied**. Junior

primary homonym of *Hydrobaenus lugubris* Fries, 1830.

griseipennis (GOETGHEBUER, 1913): *Annales de Biologie Lacustre* **6**(2/3): 154 (*Trissocladius*). Type-locality: {Belgique} "à Tronchiennes lez-Gand" [Belgique = Belgium].

praticola (KIEFFER, 1915): *Brotéria, Série Zoológica* **13**: 86 (*Trissocladius*). Type-locality: "Deutschland (Westfalen)" [= Germany (Westphalia)] ‖►Type-locality: [Germany, Westphalia] "Wiesengräben bei Münster" [= Meadow ditches near Münster] in Thienemann, 1919: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst (Zoologische Sektion)* **47**: 31◄‖.

boiemicus (KIEFFER, 1923): *Annales de la Société Scientifique de Bruxelles, 2e partie (Mémoires)* **42**: 164 (*Trissocladius*; as var of *praticola* Kieffer, 1915). Type-locality: [Czech Republic] "Bohême : Göding" [= Bohemia : Göding, now Hodonin].

lunzensis (THIENEMANN, 1944): *Archiv für Hydrobiologie* **39**: 638 (*Diplocladius*; as "*lunzensis* Gowin"). Type-locality: [Austria] "Lunz, Niederdonau" [= Lunz, Lower Danube] ‖►Type-locality: [Austria] "Lunz (Niederdonau) . . . in dem obersten Forellenteich zwischen Biologischer Station und Lunzer Untersee" [= Lunz (Lower Danube) . . . in the uppermost trout pond between the Biological Station and the 'Lower Lake' at Lunz] in Gowin & Thienemann, 1942: *Zoologischer Anzeiger* **140**(7/8): 104◄‖. — Distr.: **PA**: Austria. [**Note**]

lunzensis (GOWIN & THIENEMANN, 1942): *Zoologischer Anzeiger* **140**(7/8): 101 (as "*Diplocladius* (*Orthocladius*)"). Type-locality: [Austria] "Lunz (Niederdonau) . . . in dem obersten Forellenteich zwischen Biologischer Station und Lunzer Untersee" [= Lunz (Lower Danube) . . . in the uppermost trout pond between the Biological Station and the 'Lower Lake' at Lunz]. Name not made available - not published in unambiguous combination with a generic name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**. [**Note**]

maladistinctus MAKARCHENKO & MAKARCHENKO in MAKARCHENKO, MAKARCHENKO & YAVORSKAYA, 2009: *Evraziatskii Entomologicheskii Zhurnal* **8**, Supplement **1**: 39 (*Hydrobaenus*). Type-locality: {Russian Far East} **Khabarovskii krai, Bol′shekhekhtsirskii zapovednik, bezymyannyi ruchei bass. r. Chirki** [= Khabarovsk Krai, Bol′shekhekhtsirsk Nature Reserve, anonymous stream in the basin of the River Chirki]. — Distr.: **PA**: Russia (Far East).

martini SÆTHER, 1976: *Bulletin of the Fisheries Research Board of Canada* **195**: 134 (*Hydrobaenus*). Type-locality: [Canada] "Bailey Point, Melville Island, N.W.T." [N.W.T. = Northwest Territories]. — Distr.: **NE**: Canada (New Brunswick, Northwest Territories); **PA**: Finland, Sweden.

monodentatus MAKARCHENKO & MAKARCHENKO, 2005: *Evraziatskii Entomologicheskii Zhurnal* **4**(1): 70 (*Hydrobaenus*). Type-locality: **Rossiya, Primorskii krai, Khasanskii r-n, r. Barabashevka v r-ne rybovodnogo zavoda** [= Russia, Primorskii Krai, Khasansky District, River Barabashevka in the vicinity of the fish rearing enterprise]. — Distr.: **PA**: Russia (Far East).

nivoriundus (JOHANNSEN, 1934): *Journal of the New York Entomological Society* **42**: 348 (*Orthocladius*; as a new species for "*Orthocladius nivoriundus* Fitch" sensu Johannsen, 1905: *Bulletin of the New York State Museum* **86**: 274-275, nec *Chironomus nivoriundus* Fitch, 1847). Type-locality: Not given ‖►Type-locality: [U.S.A.] "Ithaca N. Y." [N. Y. = New York] in Johannsen, 1905: *Bulletin of the New York State Museum* **86**: 275◄‖. — Distr.: **NE**: Canada (Manitoba, Ontario), U.S.A. (Arkansas, Maryland, Minnesota, New York, North Carolina, Ohio, South Carolina, South Dakota). [**Note**]

domus (SUBLETTE, 1966): *Journal of the Kansas Entomological Society* **39**(4): 594 (*Orthocladius*). Type-locality: [U.S.A.] "Cabin John Run, Maryland".

johannseni (SUBLETTE, 1967): *Journal of the Kansas Entomological Society* **40**(4): 504 (*Orthocladius* (*Orthocladius*)). Type-locality: [U.S.A.] "Ithaca, New York". [**Note**]

hamiltoni (SÆTHER, 1969): *Bulletin of the Fisheries Research Board of Canada* **170**: 42 (*Trissocladius*). Type-locality: [Canada] "near shore, 0.6 m, Falcon Lake, Man." [Man. = Manitoba].

olfa ZERGUINE & ROSSARO, 2010: *Zootaxa* **2507**: 38 (*Hydrobaenus*). Type-locality: "Algeria: Garaet Ank El Djmel, 35° 46.298' N, 6° 52.00' E". — Distr.: **PA**: Algeria.

parvacaudatus MAKARCHENKO & MAKARCHENKO in MAKARCHENKO, MAKARCHENKO & YAVORSKAYA, 2009: *Evraziatskii Entomologicheskii Zhurnal* **8**, Supplement **1**: 43 (*Hydrobaenus*). Type-locality: {Russian Far East} **Khabarovskii krai, Khabarovskii r-n, Bol′shekhekhtsirskii zapovednik, bezymyannyi ruchei bass. r. Chirki** [= Khabarovsk Krai, Khabarovsk District, Bol′shekhekhtsirskii Nature Reserve, anonymous stream in the basin of the River Chirki]. — Distr.: **PA**: Russia (Far East).

paucisaeta TUISKUNEN in TUISKUNEN & LINDEBERG, 1986: *Annales Zoologici Fennici* **23**(4): 381 (*Hydrobaenus*). Type-locality: "Norway, Skipagurra, at River Tana". — Distr.: **PA**: Norway.

pilipes (MALLOCH, 1915): *Bulletin of the Illinois State Laboratory of Natural History* **10**: 522 (*Orthocladius* (*Orthocladius*)). Type-locality: Type-locality: [U.S.A.] "Urbana, Ill." [Ill. = Illinois] [Lectotype designation in Frison, 1927: *Bulletin of the Illinois State Natural History Survey* **16**: 174, [U.S.A.] "Urbana, Illinois"]. — Distr.: **NE**: Canada (Ontario, Québec), U.S.A. (Alabama, California, Florida, Georgia, Illinois, Kansas, New Mexico, New York, North Carolina, Ohio, South Carolina, South Dakota); **PA**: Austria, Belarus, Denmark, Finland, France, Germany, Hungary, Lebanon, Netherlands, Poland, Russia (SET, East Siberia), Slovakia, Sweden, Turkey.

grandis (KIEFFER, 1921): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 101 (*Orthocladius*). Type-locality: [Poland] "Silésie" [= Silesia].

barbatipes (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 64 (*Orthocladius*; as var. of *grandis* Kieffer, 1921). Type-locality:

[Germany] "Lacs de Holstein" [= Holstein lakes] .

ciliatipes (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 64 (*Orthocladius*; as var. of *grandis* Kieffer, 1921). Type- locality: [Germany] "Holstein, grand lac de Ploen" [= Holstein, Grosser Plöner See]. [**Note**]

grossus (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 64 (*Orthocladius*; as var. of *grandis* Kieffer, 1921). Type-locality: [Germany] "Holstein : grand lac de Ploen" [= Holstein : Grosser Plöner See].

permixtus (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 64 (*Orthocladius*; as var. of *grandis* Kieffer, 1921). Type- locality: "Nord de l'Allemagne, au lac dit Suhresee" [= northern Germany, in the lake called Suhrersee (not Suhresee)].

tristylus (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 63 (*Orthocladius*; as var. of *grandis* Kieffer, 1921). Type- locality: "Nord de l'Allemagne, au lac nommé Kellersee" [= northern Germany, in the lake named Kellersee].

crassistylus BRUNDIN, 1947: *Arkiv för Zoologi* **39A**: 27 (*Chaetocladius*). Type-locality: {Sweden} "Gem. Gårdsby . . . in Nadel-Birkenmischwald zwischen den Seen Innaren und Gassjön" [= Gårdsby Municipality. . . in mixed coniferous-birch forest between the lakes Innaren and Gassjön].

pilipodex SÆTHER, 1976: *Bulletin of the Fisheries Research Board of Canada* **195**: 144 (*Hydrobaenus*). Type-locality: [U.S.A.] "St. Phillips Bay, Pickstown, S.D." [S.D. = South Dakota]. — Distr.: **NE**: U.S.A. (Alabama, Arkansas, Kansas, South Dakota).

pseudoconformis MAKARCHENKO & MAKARCHENKO in MAKARCHENKO, MAKARCHENKO & YAVORSKAYA, 2009: *Evraziatskii Entomologicheskii Zhurnal* **8**, Supplement **1**: 45 (*Hydrobaenus*). Type-locality: {Russian Far East} **Khabarovskii krai, Nikolaevskii r-n, okr. pos. Lazarev, oz. Chërtovo** [= Khabarovsk Krai, Nikolaevsk District, vicinity of the settlement of Lazarev,

Lake Chërtovo]. — Distr.: **PA**: Russia (Far East).

rufus (KIEFFER, 1923): *Annales de la Société Scientifique de Bruxelles, 2e partie (Mémoires)* **42**: 163 (*Trissocladius*). Type-locality: [Czech Republic] "Bohême : Göding, et d'une autre localité" [= Bohemia : Göding (now Hodonin), and another locality]. — Distr.: **PA**: Czech Republic, France, **?**Lebanon.

saetheri CRANSTON in CRANSTON, BENIGNO & DOMINGUEZ, 2007: *Contributions to the Systematics and Ecology of Aquatic Diptera*: 74 (*Hydrobaenus*). Type-locality: "USA: California, Yolo Co., Causeway, wildlife area, North of I80 freeway, 38°31'27"N 121°35'21"W". — Distr.: **NE**: U.S.A. (California).

scapulapilosus SÆTHER, 1976: *Bulletin of the Fisheries Research Board of Canada* **195**: 124 (*Hydrobaenus*). Type-locality: [Canada] "Bells Corners Stream, Ont." [Ont. = Ontario]. — Distr.: **NE**: Canada (Ontario), U.S.A. (Alaska).

septentrionalis MAKARCHENKO & MAKARCHENKO, 2005: *Chteniya Pamyati Vladimira Yakovlevicha Levanidova* **3**: 378 (*Hydrobaenus*). Type-locality: {Russian Far East, South part of Primorye Territory} **Chukotskii poluostrov, zal. Kresta, bezymyannoe ozero v r-ne zal. Svobodnyi (okrestnosti pos. Ozernyi)** [= Chukotskii Peninsula, Kresta Bay, anonymous lake in the vicinity of Svobodnyi Bay (environs of the settlement of Ozernyi)]. — Distr.: **PA**: Russia (Far East).

sigaensis MAKARCHENKO, MAKARCHENKO & YAVORSKAYA, 2009: *Evraziatskii Entomologicheskii Zhurnal* **8**, Supplement **1**: 45 (*Hydrobaenus*). Type-locality: {Russian Far East} **g. Khabarovsk, r. Siga, bass. r. Amur** [= town of Khabarovsk, River Siga, basin of the River Amur]. — Distr.: **PA**: Russia (Far East).

sikhotealinensis MAKARCHENKO & MAKARCHENKO, 2006: *Opredelitel' nasekomykh Dal'nego Vostoka Rossii. Dvukrylye i blokhi* **6**(4): 320 (*Hydrobaenus*). Type-locality: {Russia} **Prim., Sikhoté-Alinskii biosfernyi zapovednik, kl. Sukhoi, bas. r. Serebryanka** [= Primorsky Krai, Sikhote-Alin Biosphere Nature Reserve, Sukhoi Spring, basin of the River Serebryanka]. — Distr.: **PA**: Russia

(Far East).

sirikus MAKARCHENKO & MAKARCHENKO, 2005: *Evraziatskii Entomologicheskii Zhurnal* **4**(1): 73 (*Hydrobaenus*). Type-locality: **Rossiya, Amurskaya obl., r. Sirik (bassein Zeiskogo vodokhranilishcha), v raione avtomobil′nogo mosta trassy mezhdy g. Zeya i pos. Verkhnezeisk** [= Russia, Amur Oblast, River Sirik (basin of the Zeiskogo Reservoir), in the vicinity of the automobile bridge on the route between the town of Zeya and the settlement of Verkhnezeisk]. — Distr.: **PA**: Russia (Far East).

siricus: incorrect subsequent spelling.

spinnatis SÆTHER, 1976: *Bulletin of the Fisheries Research Board of Canada* **195**: 152 (*Hydrobaenus*). Type-locality: [Canada] "Old Chelsea, Que." [Que. = Québec]. — Distr.: **NE**: Canada (Ontario, Québec); **PA**: Algeria, Finland, France, Slovakia, Sweden.

tiunovi MAKARCHENKO & MAKARCHENKO, 2010: *Evraziatskii Entomologicheskii Zhurnal* **9**(3): 411 (*Hydrobaenus*). Type-locality: {Russia} "Bukukunskoe Lake, Sokhondinsky Nature Reserve, Kyra district, Zabaikal'sky Territory, alt. about 2300 m above sea level". — Distr.: **PA**: Russia (East Siberia).

travisi SÆTHER, 1989: *Entomologica Scandinavica* **20**(1): 55 (*Hydrobaenus*). Type-locality: "U.S.A.: Massachusetts, Westborough, Mass. Div. Water Pollution Contron 01518". — Distr.: **NE**: U.S.A. (Massachusetts).

tsugaruensis KOBAYASHI & KASUYA in KOBAYASHI, OKTAKA, KASUYA & KAGA, 2011: *Contemporary Chironomid Studies*: 75 (*Hydrobaenus*). Type-locality: "JAPAN: Aomori Prefecture. Tsugaru peninsula, Sori-numa". — Distr.: **PA**: Japan.

tsukubalatus SASA & UENO, 1994: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1994**: 110 (*Hydrobaenus*). Type-locality: [Japan] "at the side of a ground pool in National Institute for Environmental Studies, Tsukuba, Ibaraki". — Distr.: **PA**: Japan.

tumidistylus SÆTHER, 1976: *Bulletin of the Fisheries Research Board of Canada* **195**: 160

(*Hydrobaenus*). Type-locality: [Canada, Nunavut] "Clyde, Baffin Island, N.W.T." [N.W.T. = Northwest Territories; type-locality now in Nunavut Province]. — Distr.: **NE**: Canada (Nunavut); PA: Russia (East Siberia).

vernus KRASHENINNIKOV & MAKARCHENKO, 2011: *Evraziatskii Entomologicheskii Zhurnal* **10**(2): 201 (*Hydrobaenus*). Type-locality: {Russia} "unnamed lowland bog of the Sylva River flood plain, Kama River basin, Suksunsky District, Permskiy Krai, Middle Urals, h~147 m a.s.l., 57°02225.23 N; 57°31224.53 E". — Distr.: **PA**: Russia (CET).

virgo SÆTHER, 1976: *Bulletin of the Fisheries Research Board of Canada* **195**: 128 (*Hydrobaenus*). Type-locality: [Canada] "Jack River, 0.5 miles from Munster Hamlet, Ont." [Ont. = Ontario]. — Distr.: **NE**: Canada (Ontario).

Genus **HYDROSMITTIA** FERRINGTON & SÆTHER

HYDROSMITTIA FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 103. Type-species: *Pseudosmittia ruttneri* Strenzke &Thienemann, 1942, by original designation.

aagaardi FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 138 (*Hydrosmittia*). Type-locality: "NORWAY: Oppland, Dovre, Kongsvold, Blesbekken, 1350 m a.s.l.". — Distr.: **PA**: Norway.

annulata FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 114 (*Hydrosmittia*). Type-locality: "TANZANIA: Tanga, West Usambara Mountains, Mazumbai". — Distr.: **AF**: Tanzania.

brevicornis (STRENZKE, 1950): *Archiv für Hydrobiologie Supplement* **18**(2): 281 (*Pseudosmittia*). Type-locality: [Austria] "Lunz (Niederösterreich), Untersee" [= Lunz (Province of Lower Austria), 'Lower Lake']. — Distr.: **PA**: Austria, Hungary, Netherlands.

falsicostata FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 135 (*Hydrosmittia*). Type-locality: "KENYA: Mt. Kenya, Liki stream, 13,200' ". — Distr.: **AF**: Kenya.

kisotriangulata (SASA & KONDO, 1993): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1993**: 101 (*Pseudosmittia*). Type-

locality: [Japan] [p. 98] "AT BISAI ON THE SIDE OF KISO RIVER"; [p. 101] "Kiso River". — Distr.: **PA**: Japan.

montana (STRENZKE, 1950): *Archiv für Hydrobiologie Supplement* **18**(2): 303 (*Pseudosmittia*; as subspecies of *virgo* Strenzke, 1950). Type-locality: [Austria] "Niederösterreich . . . Lunz" [= Province of Lower Austria . . . Lunz]. — Distr.: **PA**: Austria, Netherlands. [**Note**]

oxoniana (EDWARDS, 1922): *Annals and Magazine of Natural History* (9) **10**: 204 (*Camptocladius*). Type-locality: [Norway] "Bear Island: Walrus Bay, S.E. of island . . . c. 20 ft.". — Distr.: **NE**: Canada (Nunavut), Greenland, U.S.A. (South Dakota); **PA**: Austria, Bear Island, China (Ningxia), Finland, France, **?**Germany, Great Britain, Greece, Ireland, Japan, Mongolia, Morocco, Netherlands, Norway, Romania, Russia (CET, NET, East Siberia, Far East), Spain, Spitzbergen, Sweden, **?**Switzerland, Turkey.

recta (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 362 (*Spaniotoma* (*Smittia*)). Type-locality: [Great Britain] "Crowborough, Sussex".

kurobeokasia (SASA & OKAZAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 57 (*Pseudosmittia*). Type-localities: [Japan] [p. 41] "Kurobe River Basin"; [p. 57] "Unazuki Town"; "Keyakidaira"; "Aimoto Bridge". [**Note**]

kurobaokasia: incorrect original spelling.

togarisea (SASA & OKAZAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 160 (*Pseudosmittia*). Type-locality: {Japan} [Introduction, p. 92] "Toga-mura . . . in the southern mountainous part of Toyama Prefecture"; [p. 160] "at Momose".

hachijosecunda (SASA, 1994): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1994**: 47 (*Pseudosmittia*). Type-locality: {Japan} [p. 43] "on Hachijo, a volcanic island in the Pacific Ocean about 300 kilometers south of Tokyo"; [p. 47] "at "G", Tohmi Waterfall".

toyamaresea (SASA, 1996): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996** (**March**): 39 (*Pseudosmittia*). Type-locality: [Introduction, p. 16] "Japan . . . in the zoological garden called Toyama City Family Park on the foot of Kureha Hill"; [p. 17] "at the side of the ground pool "A." " [= Lake A, p. 16].

yakyopea (SASA & SUZUKI, 2000): *Tropical Medicine* **42**(2): 94 (*Pseudosmittia*). Type-locality: {Yakushima Island, Southwestern Japan} "in the town o Miyanoura" [error, "o" = of].

yakypequea (SASA & SUZUKI, 2000): *Tropical Medicine* **42**(2): 94 (*Pseudosmittia*). Type-locality: {Yakushima Island, Southwestern Japan} "at the town of Miyanoura".

hidakagehea (SASA & SUZUKI, 2001): *Tropical Medicine* **42**(3/4): 188 (*Parakiefferiella*). Type-locality: {Hokkaido, Japan} [p. 178] "in the Hidaka Mountain areas"; [p. 188] "Shizunai River".

hidakaheia (SASA & SUZUKI, 2001): *Tropical Medicine* **42**(3/4): 189 (*Parakiefferiella*). Type-locality: {Hokkaido, Japan} [p. 178] "in the Hidaka Mountain areas"; [p. 189] "Shizunai River".

ruttneri (STRENZKE & THIENEMANN, 1942): *Internationale Revue der gesamten Hydrobiologie und Hydrographie* **42**(4/6): 357 (*Pseudosmittia*; as "*Ruttneri*"). Type-localities: [Austria] "in Lunz . . . in der *Tolypothrix*- und *Schizothrix*zone des Untersees" [= in Lunz . . . in the *Tolypothrix*- and *Schizothrix*zone of the 'Lower Lake']; "im Litoral des Untersees im Südufer, von der Uferlinie bis hinab in die *Schizothrix*zone" [= in the littoral of the south shore of the 'Lower Lake', from the shoreline down to the *Schizothrix*zone]; "im Mittersee . . . auf moosüberzogenen Blöcken in der Wasserlinie des Westufers" [= in the 'Middle Lake' . . . on moss-covered boulders at the waterline of the west shore]. — Distr.: **NE**: Canada (Northwest Territories, Québec, Yukon Territory), U.S.A. (Alaska, Michigan, Ohio); **PA**: Austria, **?**Belgium, Faroe Islands, Finland, **?**France, Germany, Great Britain, Italy, Mongolia, Netherlands, Norway,

Romania, Russia (Far East), Spain, Spitzbergen, Sweden, Switzerland, Turkey.

brevitarsis (BRUNDIN, 1947): *Arkiv för Zoologi* **39A**: 40 (*Pseudosmittia*). Type-localities: {Sweden} "Sm. See Innaren . . . auf Björkholmen" [= Småland Lake Innaren . . . at Björkholmen]; "Helgäsjon . . . auf Ufersteinen in der Nähe der Wasserlinie" [= Helgäsjon . . . near the waterline on rocks on the shore].

schachti (CASPERS & REISS, 1989): *Entomofauna* **10**(8): 130 (*Pseudosmittia*). Type-locality: "Habur Deresi-Tal S Beytisebap, 1200 m über NN (Provinz Hakkari, Südosttürkei)" [= Habur Deresi Valley south of Beytisebap, 1200 metres above sea-level (Province of Hakkari, south-eastern Turkey].

setavena (SÆTHER, 1969): *Bulletin of the Fisheries Research Board of Canada* **170**: 144 (*Pseudosmittia*). Type-locality: [Canada] "small mountain stream, . . . along road to Takkakaw Falls near Field, B.C." [B.C. = British Columbia]. — Distr.: **NE**: Canada (British Columbia).

soelii FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 112 (*Hydrosmittia*). Type-locality: "TANZANIA: Tanga, West Usambara Mountains, Mazumbai". — Distr.: **AF**: Tanzania.

tenuistylata FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 111 (*Hydrosmittia*). Type-locality: "TANZANIA: Tanga, West Usambara Mountains, Mazumbai". — Distr.: **AF**: Tanzania.

togadistalis (SASA, WATANABE & ARAKAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 233 (*Pseudosmittia*). Type-locality: [Japan] [Summary, p. 231] "at the side of a highland swamp of Yachidani, Togamura". — Distr.: **PA**: Japan.

virgo (STRENZKE, 1950): *Archiv für Hydrobiologie Supplement* **18**(2): 303 (*Pseudosmittia*). Type-locality: [Germany] "Holstein . . . auf festem substrat im Litoral der Seen" [= Holstein . . . on firm substrate in the littoral of lakes]. — Distr.: **NE**: Greenland; **PA**: **?**Austria, **?**Estonia, Germany, Mongolia, **?**Netherlands, Norway, Russia (**?**NET, East Siberia).

sp. "Northwest Territories": FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 140

(*Hydrosmittia*). Type-locality: "CANADA: Northwest Territories, Martin River". — Distr.: **NE**: Canada (Northwest Territories).

Genus **ICHTHYOCLADIUS** FITTKAU

ICHTHYOCLADIUS FITTKAU, 1974: *Entomologisk Tidskrift Supplement* **95**: 92. Type-species: *Ichthyocladius neotropicus* Fittkau, 1974, by original designation.

kronichticola MENDES, ANDERSEN & SÆTHER, 2004: *Studies on Neotropical Fauna and Environment* **39**(1): 18 (*Ichthyocladius*). Type-locality: "Brazil, São Paulo State, Parque Estadual Intevales, Iporanga, Rio da Mortes". — Distr.: **NT**: Brazil.

lilianae MENDES, ANDERSEN & SÆTHER, 2004 *Studies on Neotropical Fauna and Environment* **39**(1): 21 (*Ichthyocladius*). Type-locality: "Brazil, Minas Gerais, Rio Sao Francisco, 20°30′0″S 46°50′0″W". — Distr.: **NT**: Brazil.

neotropicus FITTKAU, 1974: *Entomologisk Tidskrift Supplement* **95**: 101 (*Ichthyocladius*). Type-locality: "Peru, Rio Tambopata, Zufluß des oberen Rio Madeira" [= Peru, Rio Tambopata, tributary of the upper Rio Madeira]. — Distr.: **NT**: Peru.

sp. "Ecuador": FITTKAU, 1974: *Entomologisk Tidskrift Supplement* **95**: 101 (*Ichthyocladius*). Locality: "Ecuador, Rio Santiago in der Nähe von Borbon, Esmeraldas, Westseite der Anden" [= Ecuador, Rio Santiago near Borbon, Esmeraldas, west side of the Andes]. — Distr.: **NT**: Ecuador.

sp.: FITTKAU, 1974: *Entomologisk Tidskrift Supplement* **95**: 103 (*Ichthyocladius*). Localities: "Trinidad"; "Venezuela, Orinoco"; "Guiana" [= Guyana]. — Distr.: **NT**: Guyana, Trinidad, Venezuela. [**Note**]

sp. "Rio Marauiá": MENDES, ANDERSEN & SÆTHER, 2004 *Studies on Neotropical Fauna and Environment* **39**(1): 24 (*Ichthyocladius*). Locality: "Brazil, Amazonas State, Rio Marauiá, upper half from Cachoeira S. Antônio". — Distr.: **NT**: Brazil.

sp. "Argentina": MENDES, ANDERSEN & SÆTHER, 2004 *Studies on Neotropical Fauna and Environment* **39**(1): 24 (*Ichthyocladius*). Locality: "Argentina, Parque

Nacional Iguazú, river before the falls". — Distr.: **NT**: Argentina.

Genus **INDOCLADIUS** CHAUDHURI & BHATTACHARYAY

INDOCLADIUS CHAUDHURI & BHATTACHARYAY, 1989: *Reichenbachia* **26**(29): 169. Type-species: *Indocladius clivus* Chaudhuri & Bhattacharyay, 1989, by original designation.

clivus CHAUDHURI & BHATTACHARYAY, 1989: *Reichenbachia* **26**(29): 169 (*Indocladius*). Type-locality: {India} "West Bengal, Darjeeling". — Distr.: **OR**: India (West Bengal).

Genus **IONTHOSMITTIA** SÆTHER & ANDERSEN

IONTHOSMITTIA SÆTHER & ANDERSEN, 1995: *Tropical Zoology* **8**(1): 198. Type-species: *Ionthosmittia caudiga* Sæther & Andersen, 1995, by original designation.

caudiga SÆTHER & ANDERSEN, 1995: *Tropical Zoology* **8**(1): 199 (*Ionthosmittia*). Type-locality: "Tanzania: Tanga region, West Usambara Mts, Mazumbai, Kaputu Stream, Malaise trap loc. 10, 1420 m a.s.l.". — Distr.: **AF**: Tanzania.

otujitertia (SASA & OKAZAWA, 1994): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1994**: 78 (*Krenosmittia*). Type-locality: [Japan] [p. 76] "on the slope of Mount Otsuji". — Distr.: **PA**: Japan.

toyamalemea (SASA, 1996): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996** (**March**): 35 (*Epoicocladius*). Type-locality: [Introduction, p. 16] "Japan . . . in the zoological garden called Toyama City Family Park on the foot of Kureha Hill"; [p. 17] "at the side of the ground pool "A." " [= Lake A, p. 16].

toyamamenea (SASA, 1996): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996** (**March**): 36 (*Epoicocladius*). Type-locality: [Introduction, p. 16] "Japan . . . in the zoological garden called Toyama City Family Park on the foot of Kureha Hill"; [p. 17] "at the side of the ground pool "A." " [= Lake A, p. 16].

Genus **IPORANGOMBERUS** MENDES & ANDERSEN

IPORANGOMBERUS MENDES & ANDERSEN, 2012: *Biota Neotropica* **11**(4): 68 (*Iporangomberus*). Type-species: *Iporangomberus pei* Mendes & Andersen, 2012, by original designation.

pei MENDES & ANDERSEN, 2012: *Biota Neotropica* **11**(4): 68 (*Iporangomberus*). Type-locality: "Brazil, São Paulo State, Parque Estadual Intervales, Ribeirão Grande, Barra Grande". — Distr.: **NT**: Brazil.

Genus **IRISOBRILLIA** OLIVER

IRISOBRILLIA OLIVER, 1985: *Canadian Entomologist* **117**(9): 1105. Type-species: *Irisobrillia longicosta* Oliver, 1985, by original designation.

longicosta OLIVER, 1985: *Canadian Entomologist* **117**(9): 1109 (*Irisobrillia*). Type-locality: "Venezuela, Merida, Simon Bolivar N.P. nr. La Aguenda". — Distr.: **NT**: Brazil, Costa Rica, Nicaragua, St. Vincent, Venezuela. [**Note**]

Genus **KANIWHANIWHANUS** BOOTHROYD

KANIWHANIWHANUS BOOTHROYD, 1999: *New Zealand Journal of Marine and Freshwater Research* **33**(3): 342. Type-species: *Kaniwhaniwhanus chapmani* Boothroyd, 1999, by original designation.

chapmani BOOTHROYD, 1999: *New Zealand Journal of Marine and Freshwater Research* **33**(3): 345 (*Kaniwhaniwhanus*). Type-locality: "Kaniwhaniwha Stream, 37°54′S, 175°05′E (WO), 60 m a.s.l., Mt Pirongia, North Island, New Zealand". — Distr.: **AU**: New Zealand (North Island).

Genus **KIEFFEROPHYES** FREEMAN

KIEFFEROPHYES FREEMAN, 1961: *Australian Journal of Zoology* **9**(4): 663. Type-species: *Camptocladius invenustulus* Skuse, 1889, by original designation.

invenustulus (SKUSE, 1889): *Proceedings of the Linnaean Society of New South Wales* (2) **4**: 265 (*Camptocladius*). Type-locality: {Australia} "Knapsack Gully, Blue

Mountains, N.S.W." [N.S.W. = New South Wales]. — Distr.: **AU**: Australia (New South Wales, Tasmania, Victoria).

investulus: incorrect subsequent spelling.

leei FREEMAN, 1961: *Australian Journal of Zoology* **9**(4): 665 (*Kiefferophyes*). Type-locality: {Australia} "Hornsby, N.S.W." [N.S.W. = New South Wales]. — Distr.: **AU**: Australia (New South Wales).

lobifer FREEMAN, 1961: *Australian Journal of Zoology* **9**(4): 664 (*Kiefferophyes*). Type-locality: {Australia} "Victoria". — Distr.: **AU**: Australia (Victoria).

Genus **KNEPPERIA** KIEFFER

KNEPPERIA KIEFFER, 1908: *Denkschriften der Medizinisch-Naturwissenschaftlichen Gesellschaft zu Jena* **13***:* 155. Type-species: *Knepperia gracilis* Kieffer, 1908, by original designation.

gracilis KIEFFER, 1908: *Denkschriften der Medizinisch-Naturwissenschaftlichen Gesellschaft zu Jena* **13***:* 155 (*Knepperia*). Type-locality: [Namibia] "Rooibank". — Distr.: **AF**: Namibia.

Genus **KRENOSMITTIA** THIENEMANN & KRÜGER

KRENOSMITTIA THIENEMANN & KRÜGER, 1939: *Zoologischer Anzeiger* **127**(9/10): 257. Type-species: *Smittia* (*Epoicocladius*) *gynocera* Edwards, 1937 sensu Thienemann & Krüger, 1939 [misidentified, either = *Spaniotoma* (*Eukiefferiella*) *camptophleps* Edwards, 1929 or = *Smittia* (*Krenosmittia*) *boreoalpina* Goetghebuer, 1944], by original designation.

CAMPTOKIEFFERIELLA GOETGHEBUER, in GOETGHEBUER & LENZ, 1944: *Die Fliegen der Palaearktischen Region* **13g**: 122 (as subgenus of *Eukiefferiella* Thienemann, 1926). Type-species: *Spaniotoma* (*Eukiefferiella*) *camptophleps* Edwards, 1929, by original designation. Synonymized with *Krenosmittia* Thienemann & Krüger, 1939, by Brundin (1956: *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 156).

TOYAMASMITTIA SASA, 1996: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996** (**March**): 40. Type-species: *Toyamasmittia toyamateua* Sasa, 1996, by original designation. Synonymized with *Krenosmittia* Thienemann & Krüger, 1939, by Yamamoto (2004: *Makunagi* **21**: 44).

annulata GUO & WANG, 2005: *Studia Dipterologica* **11**(2): 494 (*Krenosmittia*). Type-locality: "CHINA, Changbai Mountain, Jilin Province". — Distr.: **PA**: China (Jilin, Ningxia); **OR**: Sichuan, Yunnan.

boreoalpina (GOETGHEBUER, 1944): *Biologisch Jaarboek* **11**: 43 (*Smittia* (*Krenosmittia*)). Type-locality: "Autriche : lac de Lunz" [= Austria : lake at Lunz]. — Distr.: **?NE**: **?**Canada (Alberta, British Columbia)}; **PA**: Austria, Denmark, Finland, France, Germany, Great Britain, Italy, Luxembourg, Mongolia, Morocco, Netherlands, Norway, Poland, Romania, Russia (Far East), Slovakia, Spain, Sweden, Switzerland, Turkey. [**Note**]

brevitarsis (FREEMAN, 1953): *Proceedings of the Royal Entomological Society* (B) **22**(11/12): 205 (*Eukiefferiella* (*Camptokiefferiella*)). Type-locality: [South Africa] "Berg River, French Hoek". — Distr.: **AF**: South Africa, Zimbabwe.

camptophleps (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 353 (*Spaniotoma* (*Eukiefferiella*)). Type-localities: [Great Britain] "Newtown, N. Wales"; "Staveley, Westmoreland". — Distr.: **?NE**: **?**Canada (British Columbia); **PA**: Austria, Balearic Islands, Belgium, Corsica, Denmark, Finland, France, Germany, Great Britain, Ireland, Italy, Mongolia, Morocco, Norway, Poland, Portugal, Romania, Russia (CET, NET, East Siberia, Far East), Slovakia, Spain, Sweden, Switzerland, Turkey. [**Note**]

halvorseni (CRANSTON & SÆTHER, 1986): *Journal of Natural History* **20**(1): 45 (*Rheosmittia*). Type-locality: "Norway, Hordaland, Vaksdal, Ekse". — Distr.: **NE**: Canada (New Brunswick, Northwest Territories, Nunavut); **PA**: Corsica, Finland, Germany, Morocco, Norway, Russia (East Siberia, Far East), Spain.

hispanica WÜLKER, 1957: *Beiträge zur Entomologie* **7**(3/4): 422 (*Krenosmittia*). Type-locality: [Spain] "Rio Mañol". — Distr.: **PA**: Corsica, France, Italy, Morocco,

Spain, Tunisia.

ignota LEHMANN, 1981: *Spixiana Supplement* **5**: 21 (*Krenosmittia*). Type-locality: [Democratic Republic of the Congo] "Simisimi-Bach, Kisangani, Zaire" [= Simisimi brook, Kisangani, Zaire]. — Distr.: **AF**: D.R.Congo.

kurobeminuta (SASA & OKAZAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 71 (*Parakiefferiella*). Type-locality: [Japan] [p. 66] "Kurobe River area", [p. 71] "Keyakidaira". — Distr.: **PA**: Japan.

lophos GUO & WANG, 2005: *Studia Dipterologica* **11**(2): 495 (*Krenosmittia*). Type-locality: "CHINA, Ningxia autonomous region, Liupan Mountain". — Distr.: **PA**: China (Ningxia).

novokshonovi KRASHENINNIKOV & MAKARCHENKO, 2009: *Evraziatskii Entomologicheskii Zhurnal* **8**, Supplement **1**: 98 (*Krenosmittia*). Type-locality: **Rossiya, Permskii krai, Severnyi Ural, Visherskii zapovednik, istok r. Bol′shaya Moiva, yugo-vostochnyi sklon khr. Ol′khovochnyi, bass. r. Vishera** [= Russia, Perm Krai, north Ural, Vishersky Nature Reserve, source of the River Bol′shaya Moiva, south-east slope of the Ol′khovochnyi ridge, basin of the River Vishera]. — Distr.: **PA**: Russia (NET).

sakhalinensis MAKARCHENKO & MAKARCHENKO, 2011: *Evraziatskii Entomologicheskii Zhurnal* **10**(4): 501 (*Krenosmittia*). Type-locality: {Russia} **o-v Sakhalin, Tymovskii r-n, r. Tym′, verkhnee techenie, okolo 15 km vostochnee pos. Palevo** [= Sakhalin Island, Tymovsky District, River Tym′, upper course, about 15 kilometres east of Palevo village]. — Distr.: **PA**: Russia (Far East).

seiryuopea (SASA, SUZUKI & SAKAI, 1999): *Tropical Medicine* **40**(3): 115 (*Epoicocladius*). Type-locality: [Abstract, p. 99] "Shimanto River, western Shikoku Island, Japan"; [p. 115] "Ekawasaki". — Distr.: **PA**: Japan.

togapirea (SASA & OKAZAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 152 (*Parakiefferiella*). Type-

locality: {Japan} [Introduction, p. 92] "Toga-mura . . . in the southern mountainous part of Toyama Prefecture"; [p. 152] "at the side of Toga River". — Distr.: **PA**: Japan.

togaperea (SASA & OKAZAWA, 1991): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 120 (*Parakiefferiella*). Locality: {Japan} [Abstract, p. 105] "Toga-mura, a village situated in the mountainous region of Toyama Prefecture". Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

toyamaquerea (SASA, 1996): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996** (**March**): 38 (*Pseudosmittia*). Type-locality: [Introduction, p. 16] "Japan . . . in the zoological garden called Toyama City Family Park on the foot of Kureha Hill"; [p. 17] "at the side of the ground pool "A." " [= Lake A, p. 16]. — Distr.: **PA**: Japan, Russia (Far East).

toyamateua (SASA, 1996): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996** (**March**): 41 (*Toyamasmittia*). Type-locality: [Introduction, p. 16] "Japan . . . in the zoological garden called Toyama City Family Park on the foot of Kureha Hill"; [p. 17] "at the side of the ground pool "A." " [= Lake A, p. 16]. — Distr.: **PA**: Japan.

truncatata GUO & WANG, 2005: *Studia Dipterologica* **11**(2): 496 (*Krenosmittia*). Type-locality: "CHINA, Fujian Province, Wuyi Mountain, Sangang". — Distr.: **OR**: China (Fujian).

variabilis MAKARCHENKO & MAKARCHENKO, 2011: *Evraziatskii Entomologicheskii Zhurnal* **10**(4): 502 (*Krenosmittia*). Type-locality: {Russia} **Yuzhnaya Yakutiya, Neryungrinskii r-n, bezymyannyi ruchei bass, r. Gorbyllakh** [= South Yakutia, Neryungrinskii District, anonymous stream in the basin of the Rover Gorbyllakh]. — Distr.: **PA**: Russia (East Siberia).

yakylemea (SASA & SUZUKI, 2000): *Tropical Medicine* **42**(2): 90 (*Parakiefferiella*). Type-locality: {Yakushima Island, Southwestern Japan} "Shirotani River". — Distr.:

PA: Japan.

zhengi GUO & WANG, 2005: *Studia Dipterologica* **11**(2): 497 (*Krenosmittia*). Type-locality: "CHINA, Ningxia Autonomous region, Liupan Mountain, Erlong River". — Distr.: **PA**: China (Ningxia Hui).

zhiltzovae MAKARCHENKO & MAKARCHENKO, 2006: *Russian Entomological Journal* **15**(1): 86 (*Krenosmittia*). Type-locality: {Russia, Far East} **Primorskii kr., Khasanskii r-n, r. Barabashevka v r-ne rybovodnogo zavoda** [= Primorsky Krai, Khasansky District, River Barabashevka in the vicinity of the fish rearing enterprise]. — Distr.: **PA**: Russia (Far East).

sp.: ASHE, MURRAY & REISS, 1987: *Annales de Limnologie* **23**(1): 53 (*Krenosmittia*). Locality: "a stream in northern Sulawesi, Indonesia". — Distr.: **OR**: Indonesia (Sulawesi).

sp.: COFFMAN, YURASITS & DE LA ROSA, 1988: *Spixiana Supplement* **14**: 85 (*Krenosmittia*). Locality: "South India". — Distr.: **OR**: India (Kerala or Tamil Nadu).

Genus **KUSCHELIUS** SUBLETTE & WIRTH

KUSCHELIUS SUBLETTE & WIRTH, 1980: *New Zealand Journal of Zoology* **7**: 314. Type-species: *Kuschelius dentifer* Sublette & Wirth, 1980, by original designation.

dentifer SUBLETTE & WIRTH, 1980: *New Zealand Journal of Zoology* **7**: 315 (*Kuschelius*). Type-locality: {New Zealand} "Aukland Is, Adams I., Magnetic Bay [Cove]". — Distr.: **AU**: New Zealand (Auckland Islands). [**Note**]

Genus **LAPPOKIEFFERIELLA** TUISKUNEN

LAPPOKIEFFERIELLA TUISKUNEN in TUISKUNEN & LINDEBERG, 1986: *Annales Zoologici Fennici* **23**(4): 384. Type-species: *Lappokiefferiella platytarsus* Tuiskunen, 1986, by original designation.

platytarsus TUISKUNEN in TUISKUNEN & LINDEBERG, 1986: *Annales Zoologici Fennici* **23**(4): 385 (*Lappokiefferiella*). Type-locality: "Norway, Finnmark Sör-

Varanger, Klokkerelva". — Distr.: **NE**: Canada (Yukon Territory); **PA**: Norway.

Genus **LAPPOSMITTIA** THIENEMANN

LAPPOSMITTIA THIENEMANN in EDWARDS, KRÜGER & THIENEMANN, 1939: *Zoologischer Anzeiger* **127**(9/10): 263. Type-species: *Lapposmittia parvibarba* Edwards, 1939, by original designation.

parvibarba EDWARDS, KRÜGER & THIENEMANN, 1939: *Zoologischer Anzeiger* **127**(9/10): 263 (*Lapposmittia*). Type-locality: "from spring in Birch forest (no. 118) and from moorland swamp (no. 121), Abisko, Swedish Lappland". — Distr.: **PA**: Bulgaria, Iran, Mongolia, Russia (CET, NET), Sweden. [**Note**]

sp.: COFFMAN & FERRINGTON, 1984: *An Introduction to the Aquatic Insects of North America*: 648 (*Lapposmittia*). Locality: "North America . . . North". — Distr.: **NE**: Canada or U.S.A. (country, state or province not specified).

Genus **LERHEIMIA** ANDERSEN & SÆTHER

LERHEIMIA ANDERSEN & SÆTHER, 1993: *Spixiana* **16**(2): 106. Type-species: *Lerheimia scopulata* Andersen & Sæther, 1993, by original designation.

aviculata ANDERSEN & SÆTHER, 1993: *Spixiana* **16**(2): 109 (*Lerheimia*). Type-locality: "TANZANIA, Tanga region, West Usambara Mts, Mazumbai, Kaputu Stream, . . . 1535 m a.s.l.". — Distr.: **AF**: Tanzania.

scopulata ANDERSEN & SÆTHER, 1993: *Spixiana* **16**(2): 107 (*Lerheimia*). Type-locality: "TANZANIA, Tanga region, West Usambara Mts, Mazumbai, Kaputu Stream, . . . 1420 m a.s.l.". — Distr.: **AF**: Tanzania.

villangulata ANDERSEN & SÆTHER, 1993: *Spixiana* **16**(2): 108 (*Lerheimia*). Type-locality: "TANZANIA, Tanga region, West Usambara Mts, Mazumbai, 1740 m a.s.l.". — Distr.: **AF**: Tanzania.

wulfi (FREEMAN, 1956): *Bulletin of the British Museum (Natural History)* Entomology

4(7): 354 (*Smittia*). Type-locality: [Democratic Republic of the Congo] "BELGIAN CONGO: Envir. Mission Rugari, Lulenba". — Distr.: **AF**: D.R.Congo.

Genus **LIMNOPHYES** EATON

LIMNOPHYES EATON, 1875: *Entomologist's Monthly Magazine* **12**: 60. Type-species: *Limnophyes pusillus* Eaton, 1875 [= *Chironomus minimus* Meigen, 1818], by monotypy.

LYMNOPHYES: incorrect subsequent spelling.

CORYTIBACLADIUS OLIVEIRA, MESSIAS & SANTOS, 1995: *Chironomids: from genes to ecosystems*: 410. Type-species: *Corytibacladius gercinoi* Oliveira, Messias & Santos, 1995, by original designation. Synonymized with *Limnophyes* Eaton, 1875, by Mendes, Andersen & Pinho (2007: *Aquatic Insects* **29**(4): 255).

aagaardi SÆTHER, 1990: *Entomologica Scandinavica Supplement* **35**: 112 (*Limnophyes*). Type-locality: "NORWAY: Nord-Trøndelag, Høylandet, Skiftesåa". — Distr.: **PA**: Finland, Japan, Norway, Russia (CET, NET, Far East), Sweden.

akanangularis SASA & KAMIMURA, 1987: *Research Report from the National Institute for Environmental Studies* **104**: 38 (*Limnophyes*). Type-localities: {Akan National Park, Hokkaido, Japan} "shore of Lake Panke"; "shore of Lake Akan". — Distr.: **PA**: Japan.

akannonus SASA & KAMIMURA, 1987: *Research Report from the National Institute for Environmental Studies* **104**: 37 (*Limnophyes*). Type-locality: {Akan National Park, Hokkaido, Japan} "shore of Lake Kussharo". — Distr.: **PA**: Japan, Russia (Far East).

hidakafegeus SASA & SUZUKI, 2001: *Tropical Medicine* **42**(3/4): 187 (*Limnophyes*). Type-locality: {Hokkaido, Japan} [p. 178] "in the Hidaka Mountain areas"; [p. 187] "at the upstream site of Satsunai River". — Distr.: **PA**: Japan.

akanundecimus SASA & KAMIMURA, 1987: *Research Report from the National Institute for Environmental Studies* **104**: 39 (*Limnophyes*). Type-locality: {Akan

National Park, Hokkaido, Japan} "shore of Lake Panke". — Distr.: **PA**: Japan.

algerinus MARCUZZI, 1950: *Annalen des Naturhistorischen Museums in Wien* **57**: 277 (*Limnophyes*; as "*algerina*"). Type-locality: "Dj. Senalba, vicino Djelfa, Algeria centrale" [= Djebel Senalba, vicinity of Djelfa, central Algeria]. — Distr.: **PA**: Algeria. [**Note**]

anderseni SÆTHER, 1990: *Entomologica Scandinavica Supplement* **35**: 97 (*Limnophyes*). Type-locality: "GREENLAND: Ella ø at Langsø, St.660" [Ella ø at Langsø = Ella Island at Lake Langsø]. — Distr.: **NE**: Greenland; **PA**: Russia (East Siberia, **?**Far East).

angelicae SÆTHER, 1990: *Entomologica Scandinavica Supplement* **35**: 113 (*Limnophyes*). Type-locality: "GERMANY: Kattenforst near Bonn". — Distr.: **PA**: Finland, Germany, Great Britain, Ireland, Russia (NET).

asamanonus SASA & HIRABAYASHI, 1993: *Japanese Journal of Sanitary Zoology* **44**(4): 388 (*Limnophyes*). Type-locality: {Nagano, Japan} [p. 380] "on the streets of the hot spring town, Asama-Onsen (Nagano)". — Distr.: **PA**: Japan.

asquamatus ANDERSEN, 1937: *Meddelelser om Grønland* **116**(1): 72 (*Limnophyes*, as var. of *eltoni* Edwards, 1922). Type-localities: {Nordost-Grönlands} "Kap Oswald, Ellainsel" [= Cape Oswald, Ella Island]; "Langsee, Ellainsel" [Nordost-Grönlands = north-east Greenland] [Lectotype designation in Sæther, 1990: *Entomologica Scandinavica Supplement* **35**: 27, "GREENLAND: Ella ø"] [Ella ø = Ella Island]. — Distr.: **NE**: Canada (British Columbia, Northwest Territories, Nunavut, Ontario, Prince Edward Island, Yukon Territory), Greenland, U.S.A. (Alaska, California, Georgia, New York, Ohio, South Carolina); **PA**: Austria, Belarus, China (Jilin), Finland, France, Germany, Great Britain, Ireland; Italy, Netherlands, Norway, Novaya Zemlya, Russia (CET, NET, East Siberia, Far East), Slovakia, Sweden, Switzerland; **OR**: China (Sichuan).

septentrionalis GOETGHEBUER, 1940: *Bulletin et Annales de la Société Entomologique de Belgique* **80**(1): 66 (*Limnophyes*). Type-locality:

[Introduction, p. 55] "aux environs d'Abisko, en Laponie Suédoise" [= in the vicinity of Abisko, in Swedish Lapland]; [p. 68] "près d'un étang" [= near a pond] [Lectotype designation in Sæther, 1990: *Entomologica Scandinavica Supplement* **35**: 27, "SWEDEN: Abisko. Lap. sued."]. Senior primary homonym of *Limnophyes septentrionalis* Chernovskii, 1949.

smolandicus BRUNDIN, 1947: *Arkiv för Zoologi* **39A**: 32 (*Limnophyes*). Type-localities: {Sweden} "Sm. See Innaren . . . auf den Inseln" [= Småland Lake Innaren . . . on the islands]; "bei Kråkenäs" [= at Kråkenäs];"See Stråken . . . auf den Inseln im Aneboda-Bucht" [= Lake Stråken . . . on the islands in Aneboda Bay].

vernalis BRUNDIN, 1947: *Arkiv för Zoologi* **39A**: 33 (*Limnophyes*). Type-localities: {Sweden} "Sm. Gem. Söraby: Vartorp . . . in Laubwald am Fluss" [= Småland, Söraby Municipality: Vartorp . . . in deciduous forest on the river].

franzi GOETGHEBUER, 1949: *Bulletin de l'Institut Royal des Sciences Naturelles de Belgique* **25**(14): 5 (*Limnophyes*; as "*Franzi*"). Type-locality: "Autriche: Untertal b. Schadming, Styrie" [= Austria: Untertal at Schadming, Styrie].

hamiltoni SÆTHER, 1969: *Bulletin of the Fisheries Research Board of Canada* **170**: 101 (*Limnophyes*). Type-locality: [Canada] "at shore, Marion Lake, University of British Columbia Forestry Farm, Haney, B.C." [B.C. = British Columbia].

bidumus SÆTHER, 1990: *Entomologica Scandinavica Supplement* **35**: 125 (*Limnophyes*). Type-locality: "NORWAY: Hordaland, Vaksdal, Ekse". — Distr.: **PA**: Finland, France, Germany, Iceland, Italy, Norway.

brachyarthra (EDWARDS, 1931): *Diptera of Patagonia and South Chile* **2**(5): 294 (*Spaniotoma* (*Limnophyes*)). Type-locality: [Argentina] "Bariloche". — Distr.: **NT**: Argentina, Chile.

brachytomus (KIEFFER, 1922): *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **2**: 22 (*Camptocladius*). Type-locality: [Russia] {Nouvelle-Zemble} "Ile Berkh" [= Berek Island]. — Distr.: **NE**: Canada (British Columbia, Manitoba, New Brunswick, Northwest Territories, Nunavut, Yukon

Territory), Greenland, U.S.A. (Colorado, Minnesota, North Carolina, Ohio, Oregon, South Carolina, Tennessee); **PA**: Bear Island, China (Ningxia), Finland, France, Germany, Great Britain, Norway, Novaya Zemlya, Russia (NET, East Siberia, Far East), Spitzbergen, Sweden. [**Note**]

borealis GOETGHEBUER, 1933: *Skrifter om Svalbard og Ishavet* **53**: 29 (*Limnophyes*). Type-locality: [Greenland] "Herschelhus" [Lectotype designation in Sæther, 1990: *Entomologica Scandinavica Supplement* **35**: 49, "GREENLAND: . . . Østgrønland, Herschelhus"] [Østgrønland = East Greenland].

squamatus ANDERSEN, 1937: *Meddelelser om Grønland* **116**(1): 70 (*Limnophyes*; as var. of *borealis* Goetghebuer, 1933). Type-localities: {Nordost-Grönlands} "Rundsee, Ellainsel" [= Rund Lake, Ella Island]; "Ulvesee, Ellainsel" [= Ulve Lake, Ella Island] [Nordost-Grönlands = north-east Greenland] [Lectotype designation in Sæther, 1990: *Entomologica Scandinavica Supplement* **35**: 49, "GREENLAND: . . . Ella ø v. Rundsø"] [Ella ø v. Rundsø = Ella Island at Rund Lake]. **Preoccupied**. Junior secondary homonym of *Camptocladius squamatus* Kieffer, 1921.

spatulosus SÆTHER, 1975: *Canadian Entomologist* **107**(10): 1055 (*Limnophyes*). Type-locality: [U.S.A.] "spring fed creek, 1 mi west of Lake City, Minn." [Minn. = Minnesota].

brevicorpis CHAUDHURI & GUHA, 1987: *Entomologica Scandinavica Supplement* **29**: 26 (*Limnophyes*; as nom. nov. for *Limnophyes brevis* Chaudhuri, Sinharay & Das Gupta, 1979, nec *Limnophyes brevis* Goetghebuer, 1934). — Distr.: **OR**: India (West Bengal).

brevis CHAUDHURI, SINHARAY & DAS GUPTA, 1979: *Aquatic Insects* **1**(2): 108 (*Limnophyes*). Type-locality: "INDIA: WEST BENGAL: Govt. College, Darjeeling". **Preoccupied**. Junior primary homonym of *Limnophyes brevis* Goetghebuer, 1934.

bubo SÆTHER, 1990: *Entomologica Scandinavica Supplement* **35**: 71 (*Limnophyes*). Type-

locality: "UGANDA: Ruwenzori Range, Namwamba Valley, 13-14000 feet". — Distr.: **AF**: Uganda.

bullus WANG & SÆTHER, 1993: *Entomologica Scandinavica* **24**(2): 222 (*Limnophyes*). Type-locality: "China: Inner Mongolia, Alax". — Distr.: **PA**: China (Inner Mongolia); **OR**: China (Guangdong, Sichuan).

carolinensis SÆTHER, 1975: *Canadian Entomologist* **107**(10): 1050 (*Limnophyes*). Type-locality: [U.S.A.] "18-mile Creek, Sunny Acres, Clemson, S.C." [S.C. = South Carolina]. — Distr.: **NE**: Canada (Ontario), U.S.A. (Minnesota, North Carolina, Ohio, South Carolina, Tennessee).

collaris (EDWARDS, 1931): *Diptera of Patagonia and South Chile* **2**(5): 295 (*Spaniotoma* (*Limnophyes*)). Type-locality: [Argentina] "L. Nahuel Huapi, eastern end". — Distr.: **NT**: Argentina, Chile.

coloradensis SÆTHER, 1975: *Canadian Entomologist* **107**(10): 1052 (*Limnophyes*). Type-locality: [U.S.A.] "North Boulder Creek, Colo." [Colo. = Colorado]. — Distr.: **NE**: U.S.A. (Colorado).

cranstoni SÆTHER, 1990: *Entomologica Scandinavica Supplement* **35**: 113 (*Limnophyes*). Type-locality: "ANDORRA: 10 km N of Serrat, 2000m". — Distr.: **PA**: Andorra, France, **?**Russia (Far East).

difficilis BRUNDIN, 1947: *Arkiv för Zoologi* **39A**: 36 (*Limnophyes*). Type-localities: {Sweden} "Sm. See Trummen" [= Småland Lake Trummen]; "Uppl. Mälaren . . . auf Sotholmen bei Drottningholm" [= Uppland Mälaren . . . at Sotholmen near Drottningholm]. — Distr.: **PA**: Finland, France, Germany, Great Britain, Iceland, Ireland, Luxembourg, Netherlands, Norway, Poland, Romania, Russia (Far East), Sweden; **OR**: China (Sichuan).

doughmani SÆTHER, 1990: *Entomologica Scandinavica Supplement* **35**: 37 (*Limnophyes*). Type-locality: "U.S.A.: Arizona, Greenlee Co., White Mts., Ackre Lake outflow near Hannagan Meadows Rt 666, Elev. 2700 m". — Distr.: **NE**: U.S.A. (Arizona).

edwardsi SÆTHER, 1990: *Entomologica Scandinavica Supplement* **35**: 39 (*Limnophyes*).

Type-locality: "NORWAY: Hordaland, Vaksdal, Eksingedalen". — Distr.: **PA**: Finland, France, Germany, Great Britain, Ireland, Norway, Novaya Zemlya, Russia (CET, NET, Far East), Spain, Spitzbergen, Sweden, Switzerland.

eltoni (EDWARDS, 1922): *Annals and Magazine of Natural History* (9) **10**: 203 (*Camptocladius*). Type-localities: [Norway] "Bear Island: near tarn 4, S.W. of Island . . . c. 50 ft."; "Walrus Bay, S.E. of Island . . . c. 20 ft." [Lectotype designated in Cranston & Oliver, 1988: *Canadian Entomologist* **120**(5): 437, [Norway] "S.W. of Bear I. 0-200 feet. Flying over bare rock nr Tarius 4 and 5"] [Tarius 4 and 5 = Tarns 4 and 5]. — Distr.: **NE**: Greenland; **PA**: Bear Island, Germany, Iceland, Novaya Zemlya, Romania, Russia (East Siberia, Far East), Spitzbergen. [**Note**]

er SÆTHER, 1985: *Entomologica Scandinavica* **15**(4): 540 (*Limnophyes*). Type-locality: "FINLAND: Lapponia enontekiensis, Kilpisjärvi (Enontekiö)". — Distr.: **PA**: Finland, Ireland, Norway, Russia (NET).

famigeheus SASA, 1996: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996** (**March**): 56 (*Limnophyes*). Type-locality: [Introduction, p. 16] "Japan . . . in the zoological garden called Toyama City Family Park on the foot of Kureha Hill"; [p. 47] "at the side of Rokusen Lake" [= Lake B, p. 16]. — Distr.: **PA**: Japan.

flavus CHAUDHURI, SINHARAY & DAS GUPTA, 1979: *Aquatic Insects* **1**(2): 118 (*Limnophyes*). Type-locality: "INDIA: WEST BENGAL: Darjeeling". — Distr.: **OR**: India (West Bengal).

fumosus (JOHANNSEN, 1905): *Bulletin of the New York State Museum* **86**: 261 (*Camptocladius*). Type-locality: [U.S.A.] "Ithaca N. Y." [N. Y. = New York]. — Distr.: **NE**: Canada (Nova Scotia, Ontario), U.S.A. (Alabama, Florida, Georgia, New York, North Carolina, Ohio, South Carolina).

cristatissimus SÆTHER, 1975: *Canadian Entomologist* **107**(10): 1032 (*Limnophyes*). Type-locality: [U.S.A.] "Jocassee Reservoir, Salem, S.C." [S.C. = South Carolina].

fuscimarginalis CHAUDHURI, SINHARAY & DAS GUPTA, 1979: *Aquatic Insects* **1**(2): 113 (*Limnophyes*). Type-locality: "INDIA: WEST BENGAL: Govt. College, Darjeeling". — Distr.: **OR**: India (West Bengal).

fuscipygmus (TOKUNAGA, 1940): *Philippine Journal of Science* **72**(3): 287 (*Spaniotoma* (*Limnophyes*)). Type-locality: [Taiwan] "Sizyukei, Formosa". — Distr.: **OR**: Taiwan.

gelasinus SÆTHER, 1990: *Entomologica Scandinavica Supplement* **35**: 119 (*Limnophyes*). Type-locality: "NORTH KOREA: Jheniann, Thesong-Sa". — Distr.: **PA**: France, North Korea, Russia (Far East).

gercinoi (OLIVEIRA, MESSIAS & SANTOS, 1995): *Chironomids: from genes to ecosystems*: 410 (*Corytibacladius*). Type-locality: "Brazil, Paraná State, Curitiba, Parque João Paulo II, 620 m a.s.l. ". — Distr.: **NT**: Brazil.

griseatus (EDWARDS, 1931): *Diptera of Patagonia and South Chile* **2**(5): 296 (*Spaniotoma* (*Limnophyes*)). Type-locality: [Argentina] "L. Nahuel Huapi, eastern end". — Distr.: **NT**: Argentina.

guatemalensis SUBLETTE & SASA, 1994: *Spixiana Supplement* **20**: 19 (*Limnophyes*). Type-locality: {Guatemala} "Rincon". — Distr.: **NT**: Guatemala.

gurgicola (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 357 (*Spaniotoma* (*Limnophyes*)). Type-localities: [Great Britain] "Staveley, Westmorland"; "Whernside, Yorks." [Yorks. = Yorkshire]. — Distr.: **PA**: Austria, China (Beijing, Liaoning), France, Germany, Great Britain, Ireland, Japan, Lebanon, Romania, Spain, Turkey, Ukraine; **OR**: China (Sichuan), India (Manipur, Meghalaya, West Bengal).

saetheri CHAUDHURI, SINHARAY & DAS GUPTA, 1979: *Aquatic Insects* **1**(2): 129 (*Limnophyes*). Type-locality: "INDIA: WEST BENGAL: Kurseong".

tamakireides SASA, 1983: *Research Report from the National Institute for Environmental Studies* **43**: 78 (*Limnophyes*). Type-locality: [Japan] {Tama River} "Station A, Yuba".

kireides: incorrect original spelling.

habilis (WALKER, 1856): *Insecta Britannica Diptera* **3**: 192 (*Chironomus*). Type-locality: [Great Britain] "(E.)" [= England]. — Distr.: **PA**: Austria, Belgium, China (Henan), Denmark, Finland, France, Germany, Great Britain, Ireland, Japan, Kaliningrad, Luxembourg, Norway, Poland, Spain, Sweden, Switzerland.

truncorum (GOETGHEBUER, 1921): *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 89, 168 (*Camptocladius*). Type-locality: {Belgique} [p. 89] "dans un trou de souche à Francorchamps"; [p. 189] " Francorchamps (H. B.)" [= Haute Belgique], [Belgique = Belgium].

hastulatus SÆTHER, 1975: *Canadian Entomologist* **107**(10): 1054 (*Limnophyes*). Type-locality: [U.S.A.] "Ed's Creek, Gavins Point National Fish Hatchery, Yankton, S.D." [S.D. = South Dakota]. — Distr.: **NE**: Canada (British Columbia, Ontario), U.S.A. (Minnesota, Ohio, South Dakota).

ikikeleus SASA & SUZUKI, 1999: *Tropical Medicine* **41**(3): 159 (*Limnophyes*). Type-locality: [Title, p. 143] "Western Japan. . . . Iki Island"; [p. 159] "Touda Dam". — Distr.: **PA**: Japan.

inanispatina LANGTON & MOUBAYED, 2001: *Nouvelle Revue d'Entomologie (Nouvelle Série)* **18**(1): 4 (*Limnophyes*). Type-locality: "Roque-Haute, near Portiragnes, France". — Distr.: **PA**: France.

jokaoctavus SASA & OGATA, 1999: *Medical Entomology and Zoology* **50**(2): 101 (*Limnophyes*). Type-locality: {Japan} [Abstract, p. 85] "Kurobe Municipal Sewage Treatment Plant (Kurobe Joka Center)"; [p. 101] "at the Aqua Park". — Distr.: **PA**: Japan.

kaminovus SASA & HIRABAYASHI, 1993: *Japanese Journal of Sanitary Zoology* **44**(4): 372 (*Limnophyes*). Type-locality: {Nagano, Japan} [p. 362] "Kamikochi"; [p. 372] "at the side of Azusa River". — Distr.: **PA**: Japan.

kibunefuscus SASA, 1989: *Research Report Toyama Prefectural Environmental Pollution Research Center* **1989**: 59 (*Limnophyes*). Type-locality: {Japan} "at St.C of Kibune River (Kyoto)". — Distr.: **PA**: Japan.

kibunepilosus SASA, 1989: *Research Report Toyama Prefectural Environmental Pollution*

Research Center **1989**: 60 (*Limnophyes*). Type-locality: {Japan} "at St. C. of Kibune River". — Distr.: **PA**: Japan.

lobiscus SÆTHER, 1990: *Entomologica Scandinavica Supplement* **35**: 69 (*Limnophyes*). Type-locality: "UGANDA: Ruwenzori Range, Namwamba Valley, 13500 feet". — Distr.: **AF**: Kenya, Uganda.

madeirae SÆTHER, 1990: *Entomologica Scandinavica Supplement* **35**: 100 (*Limnophyes*). Type-locality: "MADEIRA: Rabacal, levada at Ribeira Grande". — Distr.: **PA**: Madeira.

magnus CHAUDHURI, SINHARAY & DAS GUPTA, 1979: *Aquatic Insects* **1**(2): 124 (*Limnophyes*). Type-locality: "INDIA: WEST BENGAL: Rung Tong". — Distr.: **OR**: India (Manipur, Meghalaya, Sikkim, West Bengal).

distinctigenitalis CHAUDHURI, SINHARAY & DAS GUPTA, 1979: *Aquatic Insects* **1**(2): 121 (*Limnophyes*). Type-locality: "INDIA: WEST BENGAL: Darjeeling".

margaretae SÆTHER, 1975: *Canadian Entomologist* **107**(10): 1053 (*Limnophyes*). Type-locality: [Canada] "Hecla Island, Lake Winnipeg, Man." [Man. = Manitoba]. — Distr.: **NE**: Canada (Manitoba); **PA**: Russia (Far East), Sweden.

mariae SUBLETTE & SASA, 1994: *Spixiana Supplement* **20**: 20 (*Limnophyes*). Type-locality: {Guatemala} "Rincon". — Distr.: **NT**: Guatemala.

mediocris CHAUDHURI, SINHARAY & DAS GUPTA, 1979: *Aquatic Insects* **1**(2) : 110 (*Limnophyes*). Type-locality: "INDIA: WEST BENGAL: Govt. College, Darjeeling". — Distr.: **OR**: India (West Bengal).

mediocoris: incorrect subsequent spelling.

mikuriensis SASA, 1996: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996** (**December**): 26 (*Limnophyes*). Type-locality: [Japan] "at the side of Mikurigaike Lake on the Murodo Highland". — Distr.: **PA**: Japan.

minimus (MEIGEN, 1818): *Systematische Beschreibung* **1**: 47 (*Chironomus*). Type-locality: [Title] "europäischen" [= European]. — Distr.: **AN**: Kerguelen Islands, Prince Edward (or Marion) Island; **?NT**: **?**Juan Fernández Islands; **NE**: Canada

(British Columbia, Manitoba, Nunavut, Nova Scotia, Ontario, Yukon Territory), Greenland, U.S.A. (Alabama, Colorado, Florida, Georgia, Idaho, Michigan, Nebraska, New Mexico, New York, North Carolina, Ohio, South Carolina, South Dakota, Tennessee); **PA**: Algeria, Austria, Azores, Balearic Islands, Belgium, Bosnia and Herzegovina, Canary Isles, China (Hebei, Henan, Ningxia), Corsica, Croatia, Czech Republic, Denmark, Estonia, Faroe Islands, France, Germany, Great Britain, Hungary, Ireland, Italy, Japan, Lebanon, Lithuania, Luxembourg, Madeira, Mongolia, Morocco, Netherlands, Norway, Novaya Zemlya, Poland, Portugal, Romania, Russia (CET, NET, SET, East Siberia, Far East), Slovakia, South Korea, Spain, Sweden, Switzerland, Turkey, ¶Yugoslavia; **AF**: Gough Island, Ethiopia, Kenya, Inaccessible Island, Nightingale Island, South Africa; **OR**: China (Fujian, Hubei, Sichuan), Japan (Ryukyu Archipelago), Myanmar.

pusillus EATON, 1875: *Entomologist's Monthly Magazine* **12**: 60 (*Limnophyes*). Type-locality: [Title, p. 58] "Insulæ Kerguelensi" [= Kerguelen Islands] [Lectotype designation in Sæther, 1990: *Entomologica Scandinavica Supplement* **35**: 59, "KERGUELEN"].

hexatomus (POTTHAST, 1914): *Archiv für Hydrobiologie Supplement* **2**(2) [Preprint]: 373 (*Camptocladius*). Type-locality: [Germany] "An feuchtem Holz und Halmen im Graben an der Gasselstiege bei Münster i. W." [= On damp wood and reeds in a ditch on the Gasselstiege at Münster in Westphalia]. Senior primary homonym of *Camptocladius hexatomus* Kieffer, 1915 (below) and *Camptocladius hexatomus* Kieffer, 1921 (below). [**Note**]

foenisuga (POTTHAST, 1914): *Archiv für Hydrobiologie Supplement* **2**(2) [Preprint]: 374 (*Camptocladius*). Type-locality: [Germany] "In faulem Heu am Holzmaar (Eifel)" [= In rotten hay on Holzmaar (Eifel)]. Senior primary homonym of *Camptocladius foenisuga* Kieffer, 1921 (below). [**Note**]

hexatomus (KIEFFER, 1915): *Brotéria, Série Zoológica* **13**: 86 (*Camptocladius*). Type-locality: "Deutschland (Westfalen)" [= Germany (Westphalia)].

Preoccupied. Junior primary homonym and synonym of *Camptocladius hexatomus* Potthast, 1914 (above). Senior primary homonym of *Camptocladius hexatomus* Kieffer, 1921 (below).

hexatomus (KIEFFER, 1921): *Archiv für Hydrobiologie Supplement* **2**(4): 790 (*Camptocladius*). Type-locality: [Germany] "Zwischen Bremen und Osnabrück" [= Between Bremen and Osnabrück]. **Preoccupied**. Junior primary homonym of *Camptocladius hexatomus* Potthast, 1914 (above) and *Camptocladius hexatomus* Kieffer, 1915 (above). [**Note**]

foenisuga (KIEFFER, 1921): *Archiv für Hydrobiologie Supplement* **2**(4): 793 (*Camptocladius*). Type-locality: [Germany] "Eifel". **Preoccupied**. Junior primary homonym of *Camptocladius foenisuga* Potthast, 1914 (above).

groenlandiensis ANDERSEN, 1937: *Meddelelser om Grønland* **116**(1): 70 (*Limnophyes*). Type-localities: {Nordost-Grönlands} "Kap Oswald, Ellainsel" [= Cape Oswald, Ella Island]; "Rundsee, Ellainsel" [= Rund Lake, Ella Island]; "Fulachtal (innerer Kempefjord)" [Nordost-Grönlands = north-east Greenland] [Lectotype designation in Sæther, 1990: *Entomologica Scandinavica Supplement* **35**: 59, "GREENLAND: Ella ø v. Rundsø"] [Ella ø v. Rundsø = Ella Island at Rund Lake].

groenlandicus: incorrect original spelling.

interruptus GOETGHEBUER, 1938: *Bulletin et Annales de la Société Entomologique de Belgique* **78**(11): 463 (*Limnophyes*). Type-locality: "Bois de Waerschoot (Belgique)" [= Forest of Waerschoot (Belgium)].

bipunctatus GOETGHEBUER, 1941: *Archiv für Hydrobiologie* **38**: 290 (*Limnophyes*). Type-locality: [Title, p. 288] "Allemagne" [= Germany].

praecox GOETGHEBUER, 1944: *Biologisch Jaarboek* **11**: 43 (*Limnophyes*). Type-locality: "Belgique : bois de Melle" [= Belgium : forest of Melle] [Lectotype designation in Sæther, 1990: *Entomologica Scandinavica Supplement* **35**: 59, "BELGIUM: . . . Melle". [**Note**]

immucronatus SÆTHER, 1969: *Bulletin of the Fisheries Research Board of Canada*

170: 103 (*Limnophyes*). Type-locality: [Canada] "at dock, Marion Lake, University of British Columbia Forestry Farm, Haney, B.C." [B.C. = British Columbia].

hudsoni SÆTHER, 1975: *Canadian Entomologist* **107**(10): 1032 (*Limnophyes*). Type-locality: [U.S.A.] "Missouri River, Stratmens Bottom, 2 mi north of Niobrara, Nebr." [Nebr. = Nebraska].

fujinonus SASA, 1985: *Research Report from the National Institute for Environmental Studies* **83**: 128 (*Limnophyes*). Type-locality: {Japan, Mount Fuji area} "on the shore of Lake Yamanaka".

siratorisecundus SASA & SUZUKI, 1998: *Bulletin of Toyama Prefectural Environmental Pollution Research Center* **25**(3): 76 (*Limnophyes*). Type-locality: [Japan] [p. 75] "at Shiratori, Nagasaki".

siratorysecundus: incorrect original spelling.

? *punctulatus* (GOETGHEBUER, 1913): *Annales de Biologie Lacustre* **6**(2/3): 159 (*Camptocladius*). Type-locality: {Belgique} "Gand" [Belgique = Belgium]. **Questionable synonym**.

? *exiguus* (GOETGHEBUER, 1913): *Annales de Biologie Lacustre* **6**(2/3): 161 (*Camptocladius*). Type-localities: {Belgique} "dans les bois d'Eecloo (Flandre orientale)" [= in the forest of Eecloo (eastern Flanders)]; "à Gand" [= at Gand] [Belgique = Belgium]. **Questionable synonym**.

? *tamakiyoides* SASA, 1983: *Research Report from the National Institute for Environmental Studies* **43**: 79 (*Limnophyes*). Type-locality: [Japan] {Tama River} "Station A, Yuba". **Questionable synonym**.

natalensis (KIEFFER, 1914): *Annals of the South African Museum* **10**: 261 (*Camptocladius*). Type-locality: {South Africa} "Stellenbosch". — Distr.: **NE**: Canada (Manitoba, Northwest Territories, Nova Scotia), U.S.A. (Florida, Georgia, New Mexico, North Carolina, Ohio, South Dakota, Wisconsin); **PA**: Algeria, Austria, Belgium, Canary Islands, Finland, France, Germany, Great Britain, Ireland, Italy, Luxembourg, Madeira, Montenegro, Netherlands, Norway, Romania,

Russia (NET, East Siberia, Far East), Spain, Sweden, Turkey; **AF**: D.R.Congo, Ethiopia, Kenya, Lesotho, Rwanda, South Africa, Sudan, Uganda, Zimbabwe.

palmensis (SANTOS-ABREU, 1918): *Memorias de la Real Academia de Ciencias y Artes de Barcelona* **14**(2): 187 (*Camptocladius*). Type-locality: {Canary Islands} "en la isla de la Palma . . . en la Dehesa de la Encarnatión" [= on the island of La Palma . . . on the Dehesa de la Encarnatión] [Lectotype designation in Cranston & Armitage, 1988: *Deutsche Entomologische Zeitschrift* (Neue Folge) **35(**4/5): 347, "Canary Islands: La Palma, mesos de Estio, en la Dehesa de la Encarnatión"].

brevis GOETGHEBUER, 1934: *Revue de Zoologie et de Botanique Africaines* **25**: 203 (*Limnophyes*; as "*Limnoppyes*"). Type-locality: [Democratic Republic of the Congo] {Congo Belge} "pris à Kisantu" [= caught at Kisantu]. Senior primary homonym of *Limnophyes brevis* Chaudhuri, Sinharay & Das Gupta, 1979.

bequaerti GOETGHEBUER, 1939: *Bulletin et Annales de la Société Entomologique de Belgique* **79**(1/2): 61 (*Limnophyes*; as "*Bequarti*"). Type-locality: "Pointe Piscade (Algérie)" [= Pointe Pescade (Algeria)] [Lectotype designation in Sæther, 1990: *Entomologica Scandinavica Supplement* **35**: 74, "ALGERIA: Ponte Pescade, env. Alger"] [= ALGERIA: Pointe Pescade, vicinity of Algeiers]. [**Note**]

bequarti: incorrect subsequent spelling.

spinosa FREEMAN, 1953: *Proceedings of the Royal Entomological Society* (B) **22**(11/12): 206 (*Limnophyes*). Type-locality: [South Africa] "Kirstenbosch".

nudiradius SÆTHER, 1975: *Canadian Entomologist* **107**(10): 1048 (*Limnophyes*). Type-locality: [U.S.A.] "Beaver Creek, 8 mi north, 2 mi west of Yankton, S.D." [S.D. = South Dakota].

? *jemtlandicus* BRUNDIN, 1947: *Arkiv för Zoologi* **39A**: 33 (*Limnophyes*). Type-locality: {Sweden} "Jmtl. St. Blåsjön" [= Jämtland, Stora Blåsjön]. **Questionable synonym**.

ninae SÆTHER, 1975: *Canadian Entomologist* **107**(10): 1048 (*Limnophyes*). Type-locality:

[Canada] "Calders Dock, Lake Winnipeg, Man." [Man. = Manitoba]. — Distr.: **NE**: Canada (Manitoba, Northwest Territories, Ontario); **PA**: Canary Islands, Corsica, Finland, France, Germany, Great Britain, Ireland, Morocco, Norway, Russia (East Siberia), Slovakia, Spain.

oiraquartus SASA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 73 (*Limnophyes*). Type-locality: {Japan} "at Nenokuchi". — Distr.: **PA**: Japan.

okhotensis MAKARCHENKO & MAKARCHENKO, 2003: *Chteniya Pamyati Vladimira Yakovlevicha Levanidova* **2**: 214 (*Limnophyes*). Type-locality: {Russian Far East} **Magadanskaya obl., Okhotomorskoe poberezh′e, Tauiskaya guba, r. Taui** [= Magadan Oblast, Okhotomorskoe sea-coast, Tauiskaya Bay, River Taui]. — Distr.: **PA**: Russia (Far East).

opimus WANG & SÆTHER, 1993: *Entomologica Scandinavica* **24**(2): 225 (*Limnophyes*). Type-locality: "China: Ningxia, Mt Liupan". — Distr.: **PA**: China (Ningxia).

orbicristatus WANG & SÆTHER, 1993: *Entomologica Scandinavica* **24**(2): 216 (*Limnophyes*). Type-locality: "P.R.China: Guandong, Fenkai". — Distr.: **OR**: China (Guandong).

oyabegrandilobus SASA, KAWAI & UENO, 1988: *Research Report Toyama Prefectural Environmental Pollution Research Center* **1988**: 51 (*Limnophyes*). Type-locality: [Summary, p. 27] "Oyabe River Basin, western Toyama Prefecture . . . Japan"; [p. 51] "at U-3". — Distr.: **PA**: Japan.

oyabehiematus SASA, KAWAI & UENO, 1988: *Research Report Toyama Prefectural Environmental Pollution Research Center* **1988**: 52 (*Limnophyes*). Type-locality: [Summary, p. 27] "Oyabe River Basin, western Toyama Prefecture . . . Japan"; [p. 52] "at C-4. at the side of Oyabe River under Futomi Bridge". — Distr.: **PA**: Japan.

palleocestus WANG & SÆTHER, 1993: *Entomologica Scandinavica* **24**(2): 216 (*Limnophyes*). Type-locality: "China: Sichuan, Mt Emei". — Distr.: **PA**: China (Shandong); **OR**: China (Sichuan).

paludis ARMITAGE, 1986: *Spixiana Supplement* **11**: 139 (*Limnophyes*). Type-locality: [Great Britain] {S. E. England} "Isle of Sheppey, Swale National Nature Reserve". — Distr.: **PA**: Belgium, France, **?**Germany, Great Britain.

parakitanaides REE, NAM & JEONG, 2012: *Animal Systematics, Evolution and Diversity* **28**(1): 3 (*Limnophyes*; as "*Lymnophyes*"). Type-locality: [South Korea] "Korea: Jeollabuk-do, Muju-gun, Muju-eup, Dangsan-ri". — Distr.: **PA**: South Korea.

pentaplastus (KIEFFER, 1921): *Archiv für Hydrobiologie Supplement* **2**(4): 791 (*Camptocladius*). Type-locality: "Frankreich: aus Larven, bei Verdun" [= France: from larvae, at Versun]. — Distr.: **NE**: Canada (Manitoba, **$**Northwest Territories, **?**Yukon Territory), **?**Greenland; **PA**: Austria, Belgium, Bulgaria, Corsica, Denmark, France, Germany, Great Britain, Hungary, Ireland, Italy, Japan, Latvia, Luxembourg, **?**Madeira, Mongolia, Netherlands, Norway, Novaya Zemlya, Poland, Romania, Russia (CET, NET, East Siberia, Far East), Spain, Sweden, Switzerland, Turkey; **OR**: China (Fujian), **?**India (Meghalaya, West Bengal).

prolongatus (KIEFFER in THIENEMANN, 1921): *Archiv für Hydrobiologie Supplement* **2**(4): 815 (*Camptocladius*, as var. of *pentaplastus* Kieffer, 1921). Type-locality: [Germany] [p. 819] "zwischen feuchtem Buchenlaub einer Quelle am nördlichen Dicksee-Ufer (Holstein)" [= among moist beech leaves of a spring on the northern shore of Dieksee (Holstein)]. Senior primary homonym of *Camptocladius prolongatus* Kieffer, 1923 (below).

prolongatus (KIEFFER, 1923): *Annales de la Société Scientifique de Bruxelles, 2e partie (Mémoires)* **42**: 151 (*Camptocladius*, as var. of *pentaplastus* Kieffer, 1921). Type-locality: [Germany] "Slesvig-Holstein" [= Schleswig-Holstein]. **Preoccupied**. Junior primary homonym of *Camptocladius prolongatus* Kieffer, 1921 (above).

fischeri (KIEFFER, 1922): *Mémoires de la Société de Vulgarisation des Sciences Naturelles des Deux-Sèvres* **4**: 27 (*Camptocladius*; as "*Fischeri*"). Type-locality: [Title, p. 26] "Européens" [= European, i.e. Europe] ‖ ►Type-locality:

[Germany] "Westphalie : Diemel . . . de larves vivant dans *Fontinalis*" [= Westphalia : Diemel . . . the larvae living in *Fontinalis*] in Kieffer, 1923: *Annales de la Société Scientifique de Bruxelles, 2e partie (Mémoires)* **42**: 150◄‖. Senior primary homonym of *Camptocladius fischeri* Kieffer, 1923 (below). [**Note**]

fischeri (KIEFFER, 1923): *Annales de la Société Scientifique de Bruxelles, 2e partie (Mémoires)* **42**: 150 (*Camptocladius*; as "*Fischeri*"). Type-locality: [Germany] "Westphalie : Diemel . . . de larves vivant dans *Fontinalis*" [= Westphalia : Diemel . . . the larvae living in *Fontinalis*]. **Preoccupied**. Junior primary homonym of *Camptocladius fischeri* Kieffer, 1922 (above).

punctatellus (GOETGHEBUER, 1923): *Annales de Biologie Lacustre* **12**(1/2): 112 (*Camptocladius* (*Phoenocladius*)). Type-locality: {Belgique} "pris à Postel" [= taken at Postel] [Belgique = Belgium].

aduncus (KIEFFER, 1922): *Mémoires de la Société de Vulgarisation des Sciences Naturelles des Deux-Sèvres* **4**: 27, 35 (*Camptocladius*). Type-locality: [Title, p. 26] "Européens" [= European, i.e. Europe] ‖►Type-locality: "Nord de l'Allemagne: Bremer Schweiz" [= northern Germany: Bremen Switzerland] in Kieffer, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 76◄‖. Senior primary homonym of *Camptocladius aduncus* Kieffer, 1924 (below). [**Note**]

aduncus (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 76 (*Camptocladius*). Type-locality: "Nord de l'Allemagne: Bremer Schweiz" [= northern Germany: Bremen Switzerland]. **Preoccupied**. Junior primary homonym of *Camptocladius aduncus* Kieffer, 1922 (above).

clavaticornis (GOETGHEBUER, 1927): *Annales de Biologie Lacustre* **15**: 102 (*Camptocladius*). Type-locality: {Belgique} "Falaën" [Belgique = Belgium].

montanus GOETGHEBUER, 1933: *Bulletin et Annales de la Société Entomologique de Belgique* **72**(11/12): 292 (*Limnophyes*). Type-locality: [Belgium] "Hockai (Hautes-Fagnes)". Senior primary homonym of *Limnophyes montanus*

Chaudhuri, Sinharay & Das Gupta, 1979. [**Note**]

curticornis GOETGHEBUER, 1938: *Bulletin et Annales de la Société Entomologique de Belgique* **78**(1/2): 64 (*Limnophyes*). Type-locality: "à Poperinghe (Belgique)" [= at Poperinghe (Belgium)].

ikimeneus SASA & SUZUKI, 1999: *Tropical Medicine* **41**(3): 160 (*Limnophyes*). Type-localities: [Title, p. 143] "Western Japan. . . . Iki Island"; [p. 160] "Umenoki Dam"; "Danjodake Dam". — Distr.: **PA**: Japan.

? *longiradius* (KIEFFER, 1929): *Schriften der Physikalisch-Ökonomischen Gesellschaft zu Königsberg* **66**: 303 (*Camptocladius*; as var. of *pentatomus* Kieffer, 1915). Type-locality: [Russia, Kaliningrad Region] "Zehlau, Insel-Blänkenufer" [= Zehlau, Insel-Blänken banks (around pools)]. **Questionable synonym**.

? *puncticellus* CHAUDHURI, SINHARAY & DAS GUPTA, 1979: *Aquatic Insects* **1**(2): 126 (*Limnophyes*). Type-locality: "INDIA: WEST BENGAL: Darjeeling". **Questionable synonym**.

pilicistulus SÆTHER, 1975: *Canadian Entomologist* **107**(10): 1049 (*Limnophyes*). Type-locality: [U.S.A.] "below dam, Marindahl Lake, near Mayfield, S.D." [S.D. = South Dakota]. — Distr.: **NE**: Canada (British Columbia, Manitoba, Yukon Territory), U.S.A. (Oregon, South Dakota).

platystylus MURRAY, 2007: *Contributions to the Systematics and Ecology of Aquatic Diptera*: 215 (*Limnophyes*). Type-locality: "IRELAND: County Meath, 8 km north of Ashbourne, Meadesbrook, collected around a temporary woodland pool".— Distr.: **PA**: Ireland.

prolatus SÆTHER, 1990: *Entomologica Scandinavica Supplement* **35**: 81 (*Limnophyes*). Type-locality: "GERMANY, Hessen, Fulda River at Fulda". — Distr.: **PA**: Germany, Novaya Zemlya.

pseudopumilio MAKARCHENKO & MAKARCHENKO, 2002: *Chteniya Pamyati Vladimira Yakovlevicha Levanidova* **1**: 180 (*Limnophyes*). Type-locality: [Russia, Far East] {o-v Vrangelya} [= Vrangel Island] **r. Mamontovaya** [=

River Mamontovaya]. — Distr.: **PA**: Russia (Far East). [**Note**]

pumilio (HOLMGREN, 1869): *Kungliga Svenska VetenskapsAkademiens Handlingar* **8**(5): 41 (*Chironomus*). Type-localities: [Norway] "Hab. in Spetsbergia ad Green Harbour" [= Dwells in Spitzbergen at Green Harbour]; [Spitzbergen] "ad Advent Bay"; [Spitzbergen] "ad Smeerenberg". — Distr.: **NE**: Canada (Alberta, Manitoba, Nunavut, Ontario, Yukon Territory), Greenland, U.S.A. (Georgia, North Carolina, South Carolina); **PA**: Austria, Denmark, Finland, France, Germany, Great Britain, Ireland, Lebanon, Netherlands, Norway, Novaya Zemlya, Romania, Russia (CET, NET, East Siberia, Far East, West Siberia), Spitsbergen, Sweden, Switzerland.

globifer (LUNDSTRÖM, 1915): *Résultats scientifiques de l'Expédition Polaire Russe en 1900-1903, sons la direction du Baron E. Toll. Section E*: *Zoologie* 2(8). *Zapiski Imperatorskoi Akademii Nauk, Série* 8, *Classe physico-mathématique* **29**(8): 16 (*Camptocladius*). Type-locality: [Russia, East Siberia] "Chara-Ullach-Gebirge" [= Chara-Ullach Mountains] [Lectotype designation in Cranston, 1979: *Hydrobiologia* **67**(1): 24, [Russia, East Siberia] "U.S.S.R: Siberia, Chara-Ullach-Gebirge"]. [**Note**]

tenuinervis (KIEFFER, 1922): *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **2**: 21 (*Camptocladius*; as var. of *pumilio* Holmgren, 1869). Type-locality: [Russia] {Nouvelle-Zemble} "Baie Straumsnes, Mashigin Fjord". Senior secondary homonym of *Smittia tenuinervis* Andersen, 1937 (below) – the latter is a junior synonym of *Limnophyes pumilio* (Holmgren, 1869).

ploenensis (THIENEMANN, 1933): *Deutsche Entomologische Zeitschrift* **1933**(1): 22 (*Camptocladius*; as var. of *crescens* Kieffer, 1916). Type-locality: [Germany] "Gr. Plöner See, Litoral" [= Grosser Plöner See, littoral]. [**Note**]

tenuinervis (ANDERSEN, 1937): *Meddelelser om Grønland* **116**(1): 74 (*Smittia*; as nom. nov. for "*pumilio var. tenuinervis* Kieff. 1922"). **Preoccupied**. Junior secondary homonym of *Camptocladius tenuinervis* Kieffer, 1922 (above) – the

latter is a junior synonym of *Limnophyes pumilio* (Holmgren, 1869). [**Note**]

folliculatus SÆTHER, 1975: *Canadian Entomologist* **107**(10): 1050 (*Limnophyes*). Type-locality: [Canada] "Victoria Beach, Lake Winnipeg, Man." [Man. = Manitoba].

punctipennis (GOETGHEBUER, 1919): *Annales de Biologie Lacustre* **9**(1/3): 54 (*Camptocladius*). Type-locality: [Title] "Belgique" [= Belgium] ‖►Type-locality: {Belgique} [p. 189] "Les Flandres" in Goetghebuer, 1921: *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 189◄‖. — Distr.: **PA**: Belgium, France, Germany, Great Britain, Netherlands, Spain, Switzerland. Senior primary homonym of *Camptocladius punctipennis* Goetghebuer, 1921 (below). [**Note**]

punctipennis (GOETGHEBUER, 1921): *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 91 (*Camptocladius*). Type-locality: {Belgique} [p. 189] "Les Flandres" [Belgique = Belgium]. **Preoccupied**. Junior primary homonym of *Camptocladius punctipennis* Goetghebuer, 1919. [**Note**]

? *biverticillatus* REMMERT, 1955: *Zoologische Jahrbücher, Abteilung Systematik, Ökologie und Geographie der Tiere* **83**(6): 466 (*Limnophyes*). Type-locality: [Germany] "Neuenburger Urwald (Oldenburg)". **Questionable synonym**.

? *virgo* REMMERT, 1955: *Zoologische Jahrbücher, Abteilung Systematik, Ökologie und Geographie der Tiere* **83**(6): 468 (*Limnophyes*). Type-locality: [Germany] "Neuenburger Urwald (Oldenburg)". **Questionable synonym**.

recisus SÆTHER, 1975: *Canadian Entomologist* **107**(10): 1052 (*Limnophyes*). Type-locality: [U.S.A.] "small artesian fed creek, Stratmens Bottom, 1 mi north of Niobrara, Nebr." [Nebr. = Nebraska]. — Distr.: **NE**: U.S.A. (Nebraska, New Mexico, Ohio, South Dakota).

roquehautensis LANGTON & MOUBAYED, 2001: *Nouvelle Revue d'Entomologie (Nouvelle Série)* **18**(1): 4 (*Limnophyes*). Type-locality: "Roque-Haute, near Portiragnes, France". — Distr.: **PA**: France.

schnelli SÆTHER, 1990: *Entomologica Scandinavica Supplement* **35**: 46 (*Limnophyes*). Type-locality: "NORWAY: Sogn & Fjordane, Luster, Jostedal, Viva, Jostedøla River". — Distr.: **PA**: Iceland, Norway, Russia (NET, Far East).

sokolovae ZELENTZOV, 1997: *Zoologicheskii Zhurnal* **76**(6): 712 (*Limnophyes*). Type-locality: **Rossiya, Respublika Sakha, more Laptevykh, o. Dunai, Ust′-Lenskii zapovednik, 73.3° s.sh., 124° v.d.** [= Russia, Sakha Republic, Laptev Sea, Dunai Island, Ust′-Lenskii Nature Reserve, 73.3° North latitude, 124° East longitude]. — Distr.: **PA**: Russia (East Siberia).

spinigus SÆTHER, 1990: *Entomologica Scandinavica Supplement* **35**: 107 (*Limnophyes*). Type-locality: "GERMANY: River Fulda". — Distr.: **PA**: Finland, France, Germany, Great Britain, Ireland, Italy, Norway.

strobilifer MAKARCHENKO & MAKARCHENKO, 2004: *Flora and fauna of Sakhalin Island*: 214 (*Limnophyes*). Type-locality: [Russia] **o-v Sakhalin, okr. pos. Tsapko, nebol′shoe bezymyannoe ozero v r-ne zheleznodorozhnoi stantsii** [= Sakhalin Island, near the town of Tsapko, small anonymous lake in the vicinity of the railroad station]. — Distr.: **PA**: Russia (Far East).

subnudicollis (EDWARDS, 1931): *Diptera of Patagonia and South Chile* **2**(5): 294 (*Spaniotoma* (*Limnophyes*)). Type-locality: [Argentina] "Bariloche". — Distr.: **NT**: Argentina. [**Note**]

tamakitanaides SASA, 1981: *Research Report from the National Institute for Environmental Studies* **29**: 97 (*Limnophyes*). Type-locality: {Japan, Tama River} "Station No. 6 (the most polluted part of Minamiasakawa River". — Distr.: **PA**: Japan, Russia (Far East), South Korea; **?OR**: **?**India (Meghalaya, Sikkim, West Bengal).

kitanaides: incorrect subsequent spelling.

? *nigripes* CHAUDHURI, 1988: *Aquatic Insects* **9**(4): 228 (*Limnophyes*; as nom. nov. for *Limnophyes montanus* Chaudhuri, Sinharay & Das Gupta, 1979, nec *Limnophyes montanus* Goetghebuer, 1933). **Questionable synonym**.

? *montanus* CHAUDHURI, SINHARAY & DAS GUPTA, 1979: *Aquatic Insects* **1**(2):

116 (*Limnophyes*). Type-locality: ""INDIA: WEST BENGAL: Darjeeling". **Preoccupied**. Junior primary homonym of *Limnophyes montanus* Goetghebuer, 1933. **Questionable synonym**.

torulus SÆTHER, 1990: *Entomologica Scandinavica Supplement* **35**: 84 (*Limnophyes*). Type-locality: "NORWAY, Sør-Varanger, Pasvik Valley". — Distr.: **PA**: Finland, Norway, Novaya Zemlya, Russia (NET).

toyamapequeus (SASA, 1996): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996** (**March**): 38 (*Epoicocladius*). Type-locality: [Introduction, p. 16] "Japan . . . in the zoological garden called Toyama City Family Park on the foot of Kureha Hill"; [p. 17] "at the side of the ground pool "A." " [= Lake A, p. 16]. — Distr.: **PA**: Japan.

triangularis WANG, 1997: *Acta Scientiarum Naturalium Universitatis Nankaiensis* **30**(4): 5 (*Limnophyes*). Type-locality: "China: Gansu Province: Yongdeng County (36.44°N, 103.16°E) . . . Liancheng Forestry Farm". — Distr.: **PA**: China (Gansu).

truncatocaudatus (TOKUNAGA, 1939): *Philippine Journal of Science* **69**(3): 313 (*Spaniotoma* (*Smittia*)). Type-locality: [Taiwan] "Mount Niitaka, Formosa". — Distr.: **OR**: Taiwan. [**Note**]

tusimofegeus (SASA & SUZUKI, 1999): *Tropical Medicine* **41**(2): 84 (*Eukiefferiella*). Type-locality: [Introduction, p. 75] "Tsushima Island . . . western Japan]; [p. 84] "Toyo". — Distr.: **PA**: Japan.

uniformis CHAUDHURI, SINHARAY & DAS GUPTA, 1979: *Aquatic Insects* **1**(2): 131 (*Limnophyes*). Type-locality: "INDIA: WEST BENGAL: Ghum". — Distr.: **OR**: India (Manipur, West Bengal).

verpus WANG & SÆTHER, 1993: *Entomologica Scandinavica* **24**(2): 220 (*Limnophyes*). Type-locality: "China: Sichuan, Mt Emei". — Distr.: **PA**: China (Tibet), North Korea, Russia (Far East); **OR**: China (Fujian, Sichuan).

vestitus (SKUSE, 1889): *Proceedings of the Linnaean Society of New South Wales* (2) **4**: 263 (*Camptocladius*). Type-locality: {Australia} "Elizabeth Bay, near Sydney".—

Distr.: **AU**: Australia (Australian Capital Territory, New South Wales, Western Australia), New Zealand (North Island).

visheraensis KRASHENINNIKOV & MAKARCHENKO, 2009: *Evraziatskii Entomologicheskii Zhurnal* **8**, Supplement **1**: 100 (*Limnophyes*). Type-locality: **Rossiya, Permskii krai, Severnyi Ural, Visherskii zapovednik, urochishche Razdol v doline r. Vishera (verkhov'e), N 61°28', E 59°07'** [= Russia, Perm Krai, north Ural, Vishersky Nature Reserve, Razdol locality in the valley of the River Vishera (upper reaches), N 61°28', E 59°07']. — Distr.: **PA**: Russia (NET).

vrangelensis MAKARCHENKO & MAKARCHENKO, 2002: *Chteniya Pamyati Vladimira Yakovlevicha Levanidova* **1**: 181 (*Limnophyes*). Type-locality: [Russia, Far East] {o-v Vrangelya} [= Vrangel Island] **bezymyannyi ruchei v raione pos. Umakovskii** [= anonymous stream in the vicinity of the village of Umakovskii]. — Distr.: **PA**: Russia (Far East). [**Note**]

yakyabeus SASA & SUZUKI, 2000: *Tropical Medicine* **42**(2): 81 (*Limnophyes*). Type-locality: {Yakushima Island, Southwestern Japan} "Takenokawa". — Distr.: **PA**: Japan.

yakycedeus SASA & SUZUKI, 2000: *Tropical Medicine* **42**(2): 82 (*Limnophyes*). Type-locality: {Yakushima Island, Southwestern Japan} "Anboukawa" [error = Anbokawa]. — Distr.: **PA**: Japan.

yakydeeus SASA & SUZUKI, 2000: *Tropical Medicine* **42**(2): 83 (*Limnophyes*). Type-locality: {Yakushima Island, Southwestern Japan} "Yakusugi Land". — Distr.: **PA**: Japan.

yakyefeus SASA & SUZUKI, 2000: *Tropical Medicine* **42**(2): 84 (*Limnophyes*). Type-locality: {Yakushima Island, Southwestern Japan} "Yakusugi Land". — Distr.: **PA**: Japan.

sp.: BRUNDIN, 1970: *Pacific Insects Monographs* **23**: 276 (*Limnophyes*). Locality: [Title] "South Georgia". — Distr.: **AN**: South Georgia.

sp. n.: KROSCH, BAKER, MATHER & CRANSTON, 2011: *Molecular Phylogenetics and*

Evolution **59**(2): 462 (*Limnophyes*). Locality: "New Zealand". — Distr.: **AU**: New Zealand.

Nomina dubia in LIMNOPHYES

acutus GOETGHEBUER, 1933: *Bulletin et Annales de la Société Entomologique de Belgique* **72**(11/12): 291 (*Limnophyes*). Type-locality: [Belgium] "Hockai (Hautes-Fagnes)". [**Note**]

alpicola GOETGHEBUER, 1941: *Bulletin du Musée Royal d'Histoire Naturelle de Belgique* **17**(37): 6 (*Limnophyes*). Type-locality: [Austria] "Alpes tyroliennes" [= Tyrolean Alps].

biuncus (KIEFFER, 1922): *Mémoires de la Société de Vulgarisation des Sciences Naturelles des Deux-Sèvres* **4**: 30, 36 (*Camptocladius*). Type-locality: [Title, p. 26] "Européens" [= European, i.e. Europe] ‖►Type-locality: "Nord de l'Allemagne, source près du lac Dicksee" [= northern Germany, spring near to the lake Dieksee] in Kieffer, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 78◄‖. Senior primary homonym of *Camptocladius biuncus* Kieffer, 1924 (below). [**Note**]

biuncus (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 78 (*Camptocladius*). Type-locality: "Nord de l'Allemagne, source près du lac Dicksee" [= northern Germany, spring near to lake Dieksee]. **Preoccupied**. Junior primary homonym of *Camptocladius biuncus* Kieffer, 1922 (above).

brevistylus (KIEFFER in KIEFFER & THIENEMANN, 1908): *Zeitschrift für Wissenschaftliche Insektenbiologie* **4**: 38 (*Camptocladius*). Type-locality: [Germany] "Insel Rügen" [= Rügen Island]. Senior primary homonym of *Camptocladius brevistilus* Kieffer, 1921 (a nomen dubium in *Limnophyes* – see below under *L. curtistylus* (Goetghebuer, 1944)).

constrictus (KIEFFER, 1922): *Mémoires de la Société de Vulgarisation des Sciences Naturelles des Deux-Sèvres* **4**: 34 (*Camptocladius*). Type-locality: [Title, p. 26] "Européens" [= European, i.e. Europe] ‖►Type-locality: [Czech Republic]

"Bohême : Königgrätz" [= Bohemia : Hradec Králové] in Kieffer, 1923: *Annales de la Société Scientifique de Bruxelles, 2e partie (Mémoires)* **42**: 151◄‖. Senior primary homonym of *Camptocladius constrictus* Kieffer, 1923 (below). [**Note**]

constrictus (KIEFFER, 1923): *Annales de la Société Scientifique de Bruxelles, 2e partie (Mémoires)* **42**: 151 (*Camptocladius*). Type-locality: [Czech Republic] "Bohême : Königgrätz" [= Bohemia : Hradec Králové]. **Preoccupied**. Junior primary homonym of *Camptocladius constrictus* Kieffer, 1922 (above).

crescens (KIEFFER in THIENEMANN, 1916): *Verhandlungen des Naturhistorischen Vereins der Preussischen Rheinlande, Westfalens und des Regierungsbezirks Osnabrück* **72**: 53 (*Camptocladius*). Type-locality: [Germany, Rhineland] [p. 14] "auf dem Ulmener Maar" [= on the Ulmen Maar]. [**Note**]

curtistylus (GOETGHEBUER in GOETGHEBUER & LENZ, 1944): *Die Fliegen der Palaearktischen Region* **13g**: 132 (*Camptocladius*; as nom. nov. for *Camptocladius brevistilus* Kieffer, 1921, nec *Camptocladius brevistylus* Kieffer, 1908).

brevistilus (KIEFFER, 1921): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 96 (*Camptocladius*). Type-locality: [Poland] "Silésie" [= Silesia]. **Preoccupied**. Junior primary homonym of *Camptocladius brevistylus* Kieffer, 1908 (a nomen dubium in *Limnophyes* – see above). [**Note**]

diplosis (KIEFFER, 1918): *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 130 (*Camptocladius*). Type-localities: [Turkey] "Asie-Mineure : Méram . . . Sille" [Asie-Mineure = Asia Minor].

distylus KIEFFER, 1921: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 96 (*Camptocladius*). Type-locality: [Title, p. 51] "paléarctique" [= Palaearctic] ‖►Type-locality: [Title, p. 26] "Européens" [= European, i.e. Europe] in Kieffer, 1922: *Mémoires de la Société de Vulgarisation des Sciences Naturelles des Deux-Sèvres* **4**: 30◄‖.

falaenensis GOETGHEBUER, 1932: *Faune de France* **23**: 106 (*Limnophyes*; as

"*falanënsis*"). Type-locality: "Belgique : Falaën" [= Belgium : Falaën].

falanënsis: incorrect original spelling.

italicola FITTKAU, SCHLEE & REISS, 1967: *Limnofauna Europaea*: 359 (*Limnophyes*; as nom. nov. for *Limnophyes italicus* Marcuzzi, 1949 nec *Camptocladius italicus* Kieffer, 1923, when both in *Limnophyes*].

italicus MARCUZZI, 1949: *Hydrobiologia* **1**(2): 191 (*Limnophyes*). Type-locality: {Italy} "Padova". **Preoccupied**. Junior secondary homonym of *Camptocladius italicus* Kieffer, 1922.

italicus (KIEFFER, 1922): *Mémoires de la Société de Vulgarisation des Sciences Naturelles des Deux-Sèvres* **4**: 36 (*Camptocladius*). Type-locality: [Title, p. 26] "Européens" [= European, i.e. Europe] ‖►Type-locality: "Italie : Varano-Borghi" [Italie = Italy] in Kieffer, 1923: *Annales de la Société Scientifique de Bruxelles, 2e partie (Mémoires)* **42**: 152◄‖. Senior primary homonym of *Camptocladius italicus* Kieffer, 1923 (below). Senior secondary homonym of *Limnophyes italicus* Marcuzzi, 1949 – the latter is a nomen dubium in *Limnophyes*. [**Note**]

italicus (KIEFFER, 1923): *Annales de la Société Scientifique de Bruxelles, 2e partie (Mémoires)* **42**: 152 (*Camptocladius*). Type-locality: "Italie : Varano-Borghi" [Italie = Italy]. **Preoccupied**. Junior primary homonym of *Camptocladius italicus* Kieffer, 1922 (above).

laccobius (KIEFFER in THIENEMANN & KIEFFER, 1916): *Archiv für Hydrobiologie Supplement* **2**(3): 530 (*Camptocladius*). Type-locality: {Sweden} "in Jönköping am Ufer des Vättern" [= in Jönköping on the shore of Vättern Lake].

lapponicus GOETGHEBUER, 1939: *Bulletin et Annales de la Société Entomologique de Belgique* **79**(10/11): 387 (*Limnophyes*). Type-locality: "Laponie suédoise: Nordhang des Pallemtjakko" [= Swedish Lapland: northern slope of Pallemtjakko].

lindneri GOETGHEBUER, 1934: *Bulletin et Annales de la Société Entomologique de Belgique* **74**(5/6): 215 (*Limnophyes*; as "*Lindneri*"). Type-locality: [Israel]

"Palestine : Jérusalem".

pentatomus (KIEFFER, 1915): *Brotéria, Série Zoológica* **13**: 86 (*Camptocladius*). Type-locality: "Frankreich (Dauphiné: Lac de la Fare)" [Frankreich = France]. [**Note**]

pseudoprolongatus BOTNARIUC & CÎNDEA-CURE, 1954: *Buletin Ştiinţific Academia Republicii Populare Române* **6**(4): 1238 (*Limnophyes*). Type-localities: {Roumaine} "în bazinul de decantare al fabricii de zahăr de la Chitila" [= in the settling pond of the sugar factory of Chitila]; "în rîul Colentina" [= in the River Colentina] [Roumaine = Romania].

saliniensis PANKRATOVA, 1959: *Rybnoe Khozyaistvo Vnutrennykh Vodoemov Latviiskoi SSR* **3**: 192 (*Limnophyes*; as "*Limnophies* ? l."). Type-locality: [Latvia] **v rodnike bliz golovnogo pruda kolkhoza «Pirmrindnieks»** [= in a spring near the main pond in the village «Pirmrindnieks»]. [**Note**]

scalpellatus BRUNDIN, 1947: *Arkiv för Zoologi* **39A**: 37 (*Limnophyes*). Type-locality: {Sweden} "Sm. See Innaren . . . auf Björkholmen" [= Småland, Lake Innaren . . . at Björkholmen]. [**Note**]

septentrionalis CHERNOVSKII, 1949: *Opredeliteli po Faune SSSR, izdavaemye Zoologicheskim Institutom AN SSSR* **31**: 148 (*Limnophyes*). Type-locality: [Russia, Northern European Territory] **naidena v ruch′e so slabym techenem, na Kol′skom poluostrove** [= found in brooks with weak current, on the Kola Peninsula]. **Preoccupied**. Junior primary homnym of *Limnophyes septentrionalis* Goetghebuer, 1940 – a junior synonym of *Limnophyes asquamatus* Andersen, 1937. [**Note**]

squamatus (KIEFFER, 1921): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 95 (*Camptocladius*). Type-locality: [Poland] "Silésie" [= Silesia]. Senior secondary homonym of *Limnophyes squamatus* Andersen, 1937 – a junior synonym of *Limnophyes brachytomus* Kieffer, 1922. [**Note**]

squamiger (KIEFFER, 1922): *Mémoires de la Société de Vulgarisation des Sciences Naturelles des Deux-Sèvres* **4**: 28, 35 (*Camptocladius*). Type-locality: [Title, p. 26] "Européens" [= European, i.e. Europe] ‖►Type-locality: [Germany]

"Holstein, larves dans un fossé près de Ploen" [= Holstein, larvae in a ditch near Plön] in Kieffer, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 77◄‖. Senior primary homonym of *Camptocladius squamiger* Kieffer, 1924 (below). [**Note**]

squamiger (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 77 (*Camptocladius*). Type-locality: [Germany] "Holstein, larves dans un fossé près de Ploen" [= Holstein, larvae in a ditch near Plön]. **Preoccupied**. Junior primary homonym of *Camptocladius squamiger* Kieffer, 1924 (above).

timoni GOETGHEBUER, 1937: *Bulletin et Annales de la Société Entomologique de Belgique* **77**(6): 279 (*Limnophyes*; as "*Timoni*"). Type-locality: "Cap Nègre (Var), . . . (France)".

tristylus (KIEFFER, 1921): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 97 (*Camptocladius*). Type-locality: [Poland] "Silésie" [= Silesia].

turfaceus (KIEFFER, 1925): *Beiträge zur Kunde Estlands* **10**: 159 (*Camptocladius*; as var of *pentatomus* Kieffer, 1915). Type-localities: "Estland: Alatu-Moor auf Dagö" [= Estonia: Alatu Moor on Dagö]; "Jööpre-Moor bei Pernau" [= Jööpre Moor near Pärnu]. [**Note**]

Genus **LIPUROMETRIOCNEMUS** SÆTHER

LIPUROMETRIOCNEMUS SÆTHER, 1981: *Entomologica Scandinavica Supplement* **16**: 13. Type-species: *Lipurometriocnemus glabalus* Sæther, 1981, by original designation.

glabalus SÆTHER, 1981: *Entomologica Scandinavica Supplement* **16**: 15 (*Lipurometriocnemus*). Type-locality: "at house light, Cane Gardens, St. Vincent". — Distr.: **NT**: **?**Costa Rica, St. Lucia, St. Vincent.

vixlobatus SÆTHER, 1982: *Entomologica Scandinavica* **13**(4): 477 (*Lipurometriocnemus*). Type-locality: "U.S.A. . . . Southeast Reservoir Investigations Lab. Building, Highway 123 Bypass, Clemson, Pickens Co., South Carolina". — Distr.: **NE**: Canada (Yukon Territory), U.S.A. (Georgia, North Carolina, Ohio, South Carolina).

Genus **LITOCLADIUS** MENDES, ANDERSEN & SÆTHER

LITOCLADIUS MENDES, ANDERSEN & SÆTHER, 2004: *Zootaxa* **594**: 72. Type-species: *Litocladius mateusi* Mendes, Andersen & Sæther, 2004, by original designation.

chavarriai MENDES, ANDERSEN & HAGENLUND, 2011: *Zootaxa* **2915**: 46 (*Litocladius*). Type-locality: "COSTA RICA: Alajuela Province, Alfaro Ruiz Cantón, near Zarcero, 10°10'29"N 84°24'40"W, 1566 m a.s.l.". — Distr.: **NT**: Costa Rica.

confusus MENDES & ANDERSEN, 2008: *Zootaxa* **1887**: 57 (*Litocladius*). Type-locality: "BRAZIL: Rio de Janeiro: Nova Iguaçu, Reserva Biológica Tinguá, 22°34'34"S 43°26'05"W". — Distr.: **NT**: Brazil.

floripa MENDES & ANDERSEN, 2008: *Zootaxa* **1887**: 59 (*Litocladius*). Type-locality: "BRAZIL: Santa Catarina: Florianópolis, UCAD, close to main stream". — Distr.: **NT**: Brazil.

mateusi MENDES, ANDERSEN & SÆTHER, 2004: *Zootaxa* **594**: 74 (*Litocladius*). Type-locality: "BRAZIL, São Paulo State, Pedregulho, Furna São Pedro (Cerradão)". — Distr.: **NT**: Brazil.

neusae MENDES, ANDERSEN & HAGENLUND, 2011: *Zootaxa* **2915**: 49 (*Litocladius*). Type-locality: " BRAZIL: Amazonas State, Manaus, Reserva Adolpho Ducke, 1 km after entrance". — Distr.: **NT**: Brazil.

Genus **LOBOSMITTIA** SÆTHER & ANDERSEN

LOBOSMITTIA SÆTHER & ANDERSEN, 1993: *Tijdschrift voor Entomologie* **136**(2): 283. Type-species: *Lobosmitta basilobata* Sæther & Andersen, 1993, by original designation.

basilobata SÆTHER & ANDERSEN, 1993: *Tijdschrift voor Entomologie* **136**(2): 284 (*Lobosmitta*). Type-locality: "TANZANIA, Tanga region, West Usambara Mts, Mazumbai, Kaputu Stream, 1640 m a.s.l., sweep net at waterfall". — Distr.: **AF**: Tanzania.

invaginata (CASPERS & REISS, 1989): *Entomofauna* **10**(8): 123 (*Pseudosmittia*). Type-locality: "Bahnstation Soganli W Sarikamis, 2100 m über NN (Provinz Kars, Osttürkei)" [= Railway station at Soganli west of Sarikamis, 2100 metres above sea-level (Kars Province, eastern Turkey)]. — Distr.: **PA**: Turkey.

takahashii (TOKUNAGA, 1939): *Philippine Journal of Science* **69**(3): 314 (*Spaniotoma* (*Eukiefferiella*)). Type-locality: [Taiwan] "Mount Niitaka, Formosa". — Distr.: **OR**: Taiwan. [**Note**]

Genus **LOPESCLADIUS** OLIVEIRA

LOPESCLADIUS OLIVEIRA, 1967: *Atas do Simpósio sôbre a Biota Amazônica* **5** (*Zoologia*): 417. Type-species: *Lopescladius minutissimus* Oliveira, 1967, by original designation.

CORDITES BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**(1): 428. Type-species: Not given. Name not made available - not accompanied by the fixation of a type-species contrary to Article 13.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**. Synonymized with *Lopescladius* Oliveira, 1967, by Sæther (1983: *Memoirs of the American Entomological Society* **34**: 280).

CORDIELLA COFFMAN & ROBACK, 1984: see below as subgenus.

LOPESCLADIUS OLIVEIRA, 1967: see below as subgenus.

Subgenus **CORDIELLA** COFFMAN & ROBACK

CORDIELLA COFFMAN & ROBACK, 1984: *Proceedings of the Academy of Natural Sciences of Philadelphia* **136**: 130. Type-species: *Lopescladius* (*Cordiella*) *hyporheicus* Coffman & Roback, 1984, by original designation.

hyporheicus COFFMAN & ROBACK, 1984: *Proceedings of the Academy of Natural Sciences of Philadelphia* **136**: 131 (*Lopescladius* (*Cordiella*)). Type-locality: [U.S.A.] "Linesville Creek, Crawford County, PA (1 km N of Linesville)" [PA = Pennsylvania]. — Distr.: **NE**: U.S.A. (Pennsylvania, South Carolina, Virginia).

morosus HAGENLUND, ANDERSEN & MENDES, 2010: *Zootaxa* **2728**: 41 (*Lopescladius* (*Cordiella*)). Type-locality: "BRAZIL: Pará, Rurópolis, Rio Tambor". — Distr.: **NT**: Brazil.

uncatus HAGENLUND, ANDERSEN & MENDES, 2010: *Zootaxa* **2728**: 46 (*Lopescladius* (*Cordiella*)). Type-locality: "BRAZIL: São Paulo, Estação Biológica Boracéia, Rio Claro, 2nd bridge". — Distr.: **NT**: Brazil.

vibrissatus HAGENLUND, ANDERSEN & MENDES, 2010: *Zootaxa* **2728**: 44 (*Lopescladius* (*Cordiella*)). Type-locality: "BRAZIL: Santa Catarina: Urubici, Morro da Igreja, cloud forest, 1822 m a.s.l.". — Distr.: **NT**: Brazil.

sp.: COFFMAN & ROBACK, 1984: *Proceedings of the Academy of Natural Sciences of Philadelphia* **136**: 131 (*Lopescladius* (*Cordiella*)). Locality: "Chile". — Distr.: **NT**: Chile.

sp.: COFFMAN & ROBACK, 1984: *Proceedings of the Academy of Natural Sciences of Philadelphia* **136**: 131 (*Lopescladius* (*Cordiella*)). Locality: "Venezuela". — Distr.: **NT**: Venezuela.

Subgenus **LOPESCLADIUS** OLIVEIRA

fittkaui SÆTHER, 1983: *Memoirs of the American Entomological Society* **34**: 287 (*Lopescladius*). Type-locality: "Upper Rio Marauia, Estado Amazonas, Missionstation Sao Antonio, Brazil". — Distr.: **NT**: Brazil.

inermis SÆTHER, 1983: *Memoirs of the American Entomological Society* **34**: 293 (*Lopescladius*). Type-locality: "artesian spring at Meade Co. State Lake, Meade Co., Kansas, U.S.A." — Distr.: **NE**: U.S.A. (Kansas, Wisconsin).

minutissimus OLIVEIRA, 1967: *Atas do Simpósio sôbre a Biota Amazônica* **5** (*Zoologia*): 417 (*Lopescladius*). Type-locality: "Cachimbo, Estado do Pará, Brasil". — Distr.: **NT**: Brazil.

verruculosus SÆTHER, 1983: *Memoirs of the American Entomological Society* **34**: 289 (*Lopescladius*). Type-locality: "river mouth about 100 km south of Tocuman, prov. Michocan, Mexico". — Distr.: **NT**: Mexico (Michoacán); **NE**: U.S.A.

(Illinois).

Subgenerically unplaced species of LOPESCLADIUS

sp.: (BRUNDIN, 1966): *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**(1): 428 (*Cordites*). Locality: "South Chile". — Distr.: **NT**: Chile.

sp.: (BRUNDIN, 1966): *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**(1): 430 (*Cordites*). Locality: "Ecuador". — Distr.: **NT**: Ecuador.

sp.: (BRUNDIN, 1966): *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**(1): 430 (*Cordites*). Locality: [Canada, British Columbia] "Vancouver Island". — Distr.: **NE**: Canada (British Columbia).

sp. 1: COFFMAN & ROBACK, 1984: *Proceedings of the Academy of Natural Sciences of Philadelphia* **136**: 137 (*Lopescladius*). Locality: [U.S.A.] "SOUTH CAROLINA: Savannah River: Mile 175.1 – 174.8 . . . Mile 149.5 – 149.2". — Distr.: **NE**: U.S.A. (South Carolina).

sp.: WATSON & HEYN, 1993: *Netherlands Journal of Aquatic Ecology* **26**(2/4): 259 (*Lopescladius*). Locality: "Costa Rica . . . G 275 m" [= Costa Rica . . . Guanacaste Province 275 metres]. — Distr.: **NT**: Costa Rica.

sp.: OSPINA-TORRES, RISS & RUIZ, 1999: *Insectos de Colombia* II: 375, 378 (*Lopescladius*). Locality: {Colombia} "Sabana de Bogotá". — Distr.: **NT**: Colombia.

Genus **LYROCLADIUS** MENDES & ANDERSEN

LYROCLADIUS MENDES & ANDERSEN, 2008: *Zootaxa* **1887**: 61. Type-species: *Lyrocladius radulatus* Mendes & Andersen, 2008, by original designation.

cacau MENDES & ANDERSEN, 2012: *Biota Neotropica* **12**(1): 78 (*Lyrocladius*). Type-locality: "Brazil: Bahia: Ilhéus (CEPLAC – Áreas de cultivo de cacau), 14° 46' 16.6" S e 39° 13' 12.8" W, . . . 42 m a.s.l.". — Distr.: **NT**: Brazil.

radulatus MENDES & ANDERSEN, 2008: *Zootaxa* **1887**: 62 (*Lyrocladius*). Type-locality: "BRAZIL: Paraná: Morretes, Parque Estadual do Pau Oco, 25°34'27.9"S

48°53'46.7"W". — Distr.: **NT**: Brazil.

Genus **MARYELLA** SUBLETTE & WIRTH

MARYELLA SUBLETTE & WIRTH, 1980: *New Zealand Journal of Zoology* **7**: 325. Type-species: *Maryella reducta* Sublette & Wirth, 1980, by original designation.

reducta SUBLETTE & WIRTH, 1980: *New Zealand Journal of Zoology* **7**: 326 (*Maryella*). Type-locality: {New Zealand} "Aukland Is, Adams I., N side of main divide . . . 1800′". — Distr.: **AU**: New Zealand (Auckland Islands).

Genus **MAXIMBERUS** ANDERSEN & MENDES

MAXIMBERUS ANDERSEN & MENDES, 2012: *Biota Neotropica* **12**(1): 118. Type-species: *Maximberus maxi* Andersen & Mendes, 2012, by original designation.

maxi ANDERSEN & MENDES, 2012: *Biota Neotropica* **12**(1): 118 (*Maximberus*). Type-locality: "BRAZIL, Santa Catarina State, São Bento do Sul, 26° 19' 25.6" S and 48° 18' 26.5" W, . . . 660 m a.s.l.". — Distr.: **NT**: Brazil.

Genus **MECAORUS** SUBLETTE & WIRTH

MECAORUS SUBLETTE & WIRTH, 1980: *New Zealand Journal of Zoology* **7**: 316. Type-species: *Mecaorus elongatus* Sublette & Wirth, 1980, by original designation.

elongatus SUBLETTE & WIRTH, 1980: *New Zealand Journal of Zoology* **7**: 316 (*Mecaorus*). Type-locality: {New Zealand} "Aukland Is, Aukland I., Crozier Pt, 1-20 m". — Distr.: **AU**: New Zealand (Auckland Islands).

Genus **MESOCRICOTOPUS** BRUNDIN

MESOCRICOTOPUS BRUNDIN, 1956: *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 114. Type-species: *Trichocladius thienemanni* Goetghebuer, 1940, by original designation.

loticus CALDWELL, 1996: *Hydrobiologia* **328**(1): 5 (*Mesocricotopus*). Type-locality: [U.S.A.] "Crisp Co., Georgia, Gum Creek at Georgia Hwy. 257". — Distr.: **NE**:

U.S.A. (Georgia, Ohio, South Carolina).

thienemanni (GOETGHEBUER, 1940): *Bulletin et Annales de la Société Entomologique de Belgique* **80**(1): 69 (*Trichocladius*; as "*Thienemanni*"). Type-locality: [Introduction, p. 55] "aux environs d'Abisko, en Laponie Suédoise" [= in the vicinity of Abisko, in Swedish Lapland]; [p. 70] "Torneträsk, à la surface de l'eau" [= Torneträsk, on the surface of the water]. — Distr.: **NE**: Canada (Alberta, Manitoba, $Northwest Territories); **PA**: Czech Republic, Finland, Netherlands, Norway, Romania, Russia (NET, Far East), Sweden.

karelicus (PANKRATOVA, 1970): *Opredeliteli po Faune SSSR, izdavaemye Zoologicheskim Institutom AN SSSR* **102**: 249 (*Limnophyes*; validation of "Orthocladiinae gen.? l. *karelica*" Chernovskii, 1949). Type-locality: [Russia, Northern European Territory] **SSSR: Kareliya** [= SSSR: Karelia].

karelicus (CHERNOVSKII, 1949): *Opredeliteli po Faune SSSR, izdavaemye Zoologicheskim Institutom AN SSSR* **31**: 143 (as "Orthocladiinae gen.? l. *karelica*"). Localities: [Russia, Northern European Tettitory] **v ozerakh i rekakh Karelii** [= in lakes and rivers of Karelia]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN 1999, 4th Edition). **Nomen nudum**.

Genus **MESOSMITTIA** BRUNDIN

MESOSMITTIA BRUNDIN, 1956: *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 163. Type-species: *Spaniotoma* (*Orthocladius*) *flexuella* Edwards, 1929, by original designation. The name *Mesosmittia* Brundin, 1956, is conserved, has priority over *Pseudorthocladius* Edwards, 1932, and is placed on the Official List of Generic Names in Zoology, and the name *Spaniotoma* (*Orthocladius*) *flexuella* Edwards, 1929, is placed on the Official List of Specifie Names in Zoology, by Opinion 2179 of the International Commission on Zoological Nomenclature (2007: *Bulletin of Zoological Nomenclature* **64**(3): 198).

PSEUDORTHOCLADIUS EDWARDS, 1932: *Entomologist* **65**: 141 (as subgenus of

Orthocladius Wulp, 1874). Type-species: *Spaniotoma* (*Orthocladius*) *flexuella* Edwards, 1929, by original designation. The name *Pseudorthocladius* Edwards, 1932, is a senior homonym of *Pseudorthocladius* Goetghebuer, 1943, but is suppressed for the purposes of both the Principle of Priority and the Principal of Homonymy and is placed on the Official Index of Rejected and Invalid Generic Names in Zoology by Opinion 2179 of the International Commission on Zoological Nomenclature (2007: *Bulletin of Zoological Nomenclature* **64**(3): 198). Synonymized with *Mesosmittia* Brundin, 1956, by Opinion 2179 of the International Commission on Zoological Nomenclature (2007: *Bulletin of Zoological Nomenclature* **64**(3): 198).

absensis KONG, LIU & WANG, 2011: *Acta Zootaxonomica Sinica* **36**(4): 890 (*Mesosmittia*). Type-locality: "China, Shannxi Province, Zhouzhi County, Banfangzi Town" [error, Shannxi = Shaanxi]. — Distr.: **PA**: China (Shaanxi).

acutistylus SÆTHER, 1986: *Spixiana Supplement* **11**: 43 (*Mesosmittia*). Type-locality: "U.S.A. . . . Canadian River 1 mile south of Logan on highway 54, New Mexico". — Distr.: **NT**: Mexico (Campeche); **NE**: Canada (Saskatchewan), U.S.A. (New Mexico); **PA**: China (Hebei).

annae ANDERSEN & MENDES, 2002: *Spixiana* **25**(2): 143 (*Mesosmittia*). Type-locality: "GUATEMALA: Santa Rosa, Pueblo Nueva Viñas, Finca Maria Mundo, 1800 m a.s.l.". — Distr.: **NT**: Guatemala, Mexico (Campeche).

brevis KONG, LIU & WANG, 2011: *Acta Zootaxonomica Sinica* **36**(4): 891 (*Mesosmittia*). Type-locality: "China, Hebei Province, Zunhua County, Longmenkou reservoir area". — Distr.: **PA**: China (Hebei).

cristaga SÆTHER, 1996: *Spixiana* **19**(3): 290 (*Mesosmittia*). Type-locality: "Tanzania: West Usambara Mts, Kibohelo, at Lushoto River". — Distr.: **AF**: Tanzania.

flexuella (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 349 (*Spaniotoma* (*Orthocladius*)). Type-localities: [Great Britain] "Slapton, S. Devon"; "Pinner, Middlesex"; "Whernside, Yorks." [Yorks. = Yorkshire]; "Snailbeach, Salop" [Salop = Shropshire]. — Distr.: **PA**: Austria, Belgium, Bulgaria, Finland, France, Germany, Great Britain, Greece, Ireland, Italy,

Netherlands, Romania, Spain, Sweden, Turkey.

flexuella: **Not Nearctic**.

macrocerus (GOETGHEBUER, 1937): *Bulletin et Annales de la Société Entomologique de Belgique* **77**(6): 278 (*Limnophyes*). Type-locality: "dans les dunes de La Panne . . . (Belgique)" [= in the dunes of La Panne . . . (Belgium)].

glabra ANDERSEN & MENDES, 2002: *Spixiana* **25**(2): 146 (*Mesosmittia*). Type-locality: "ECUADOR: Pichincha Province, Quito, Parque Metropolitano, . . . 2850 m a.s.l.". — Distr.: **NT**: Ecuador.

gracilis KONG, LIU & WANG, 2011: *Acta Zootaxonomica Sinica* **36**(4): 892 (*Mesosmittia*). Type-locality: "China, Gansu Province, Tianshui City, Mt. Xiaolong". — Distr.: **PA**: China (Gansu).

guanajensis ANDERSEN & MENDES, 2002: *Spixiana* **25**(2): 147 (*Mesosmittia*). Type-locality: "MEXICO: Guanajuato State, Acámbaro, Presa Solís, 500 m West of floodgate". — Distr.: **NE**: Mexico (Guanajuato).

hirta ANDERSEN & MENDES, 2002: *Spixiana* **25**(2): 147 (*Mesosmittia*). Type-locality: "ECUADOR: Pichincha Province, Pasochoa Reserve, 3000 m a.s.l.". — Distr.: **NT**: Ecuador.

lobiga SÆTHER, 1986: *Spixiana Supplement* **11**: 45 (*Mesosmittia*). Type-locality: "U.S.A. . . . Navajo River (Station E) near Colorado – New Mexico state line at Edith, Colorado". — Distr.: **NE**: Mexico (Guanajuato, Nuevo León), U.S.A. (Colorado, New Mexico).

mina SÆTHER, 1986: *Spixiana Supplement* **11**: 46 (*Mesosmittia*). Type-locality: "U.S.A. . . . Oconee River, Athens, Clarke Co., Georgia". — Distr.: **NE**: U.S.A. (Georgia).

museophila DONATO, 2011: *Zootaxa* **2836**: 53 (*Mesosmittia*). Type-locality: "ARGENTINA, Buenos Aires, La Plata, 34º 54' 30.9''S– 57º 56' 21.8''W". — Distr.: **NT**: Argentina.

nigerrima (KIEFFER, 1918): *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 81 (*Camptocladius*). Type-locality: [Ethiopia] "Abyssinie : Sidamo". — Distr.: **AF**: D.R.Congo, Ethiopia; South Africa.

patrihortae SÆTHER, 1986: *Spixiana Supplement* **11**: 47 (*Mesosmittia*). Type-locality: "U.S.A. . . . wet area in Hudson's garden, Clemson, Pickens Co., South Carolina". — Distr.: **NT**: Brazil, Costa Rica, Ecuador, Mexico (Campeche, Veracruz), Nicaragua, Venezuela; **NE**: Mexico (Nuevo León), U.S.A. (Alabama, Arkansas, Florida, Georgia, Kentucky, South Carolina, Tennessee); **PA**: China (Gansu, Hebei, Henan, Jilin, Shaanxi, Shandong, Tianjin), Japan, Russia (Far East); **AF**: South Africa; **OR**: China (Guangxi, Guizhou, Hubei, Jiangsu, Shaanxi, Sichuan, Yunnan).

dolichoptera WANG & ZHENG, 1990: *Acta Entomologica Sinica* **33**(4): 487 (*Mesosmittia*). Type-locality: [p. 488, English Summary] {China} "Jilin Province (Changbai Mountain)".

yunnanensis WANG & ZHENG, 1990: *Acta Entomologica Sinica* **33**(4): 488 (*Mesosmittia*). Type-locality: [p. 489, English Summary] {China} "Yunnan Province (Yiliang)".

prolixa SÆTHER, 1986: *Spixiana Supplement* **11**: 48 (*Mesosmittia*). Type-locality: "U.S.A. . . . Little Walnut Creek, 0.5 miles west of Walnut, Crawford Co., Kansas". — Distr.: **NT**: Mexico (Campeche); **NE**: Mexico (Nuevo León), U.S.A. (Georgia, Indiana, Kansas, Kentucky, New Mexico, Ohio, Tennessee).

tora SÆTHER, 1986: *Spixiana Supplement* **11**: 50 (*Mesosmittia*). Type-locality: "U.S.A. . . . Missouri River, 2 miles east 6 miles south of Gayville, South Dakota". — Distr.: **NE**: Mexico (Nuevo León), U.S.A. (South Dakota).

truncata SÆTHER, 1986: *Spixiana Supplement* **11**: 51 (*Mesosmittia*). Type-locality: "humid forest, Tree 1, Colon, Panama Canal Zone". — Distr.: **NT**: Panama.

Genus **METRIOCNEMUS** WULP

METRIOCNEMUS WULP, 1874: *Tijdschrift voor Entomologie* **16**: LXX, LXXI. Type-species: *Chironomus albolineatus* Meigen, 1818, by subsequent designation of Coquillett (1910: *Proceedings of the United States National Museum* **37**: 569). Senior homonym of *Metriocnemus* Wulp, 1875 (below). [**Note**]

METRIOCNEMUS WULP, 1875: *Tijdschrift voor Entomologie* **17**(5): 136. Type-species: *Chironomus albolineatus* Meigen, 1818, by subsequent designation of Coquillett (1910: *Proceedings of the United States National Museum* **37**: 569). **Preoccupied**. Junior homonym of *Metriocnemus* Wulp, 1874 (above).

WULPIELLA KIEFFER, 1899: *Bulletin de la Société Entomologique de France* **1899**: 66. Type-species: *Wirpiella scirpi* Kieffer, 1899, by original designation. Synonymized with *Metriocnemus* Wulp, 1874, by Kieffer (1906: *Genera Insectorum* **42**: 31).

ARCTOMYIA LUNDSTRÖM, 1915: *Résultats scientifiques de l'Expédition Polaire Russe en 1900-1903, sons la direction du Baron E. Toll. Section E*: *Zoologie* 2(8). *Zapiski Imperatorskoi Akademii Nauk, Série* 8, *Classe physico-mathématique* **29**(8): 18. Type-species: *Arctomyia sibirica* Lundström, 1915, by monotypy. Synonymized with *Metriocnemus* Wulp, 1874, by Goetghebuer in Goetghebuer & Lenz (1940: *Die Fliegen der Palaearktischen Region* **13g**: 5).

DOLICHOPRYMNA LUNDSTRÖM, 1915: *Résultats scientifiques de l'Expédition Polaire Russe en 1900-1903, sons la direction du Baron E. Toll. Section E*: *Zoologie* 2(8). *Zapiski Imperatorskoi Akademii Nauk, Série* 8, *Classe physico-mathématique* **29**(8): 21. Type-species: *Smittia longipennis* Holmgren, 1883, by original designation. Synonymized with *Metriocnemus* Wulp, 1874, by Goetghebuer in Goetghebuer & Lenz (1940: *Die Fliegen der Palaearktischen Region* **13g**: 5).

GRIPEKOVENIA KIEFFER, 1918: *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 134. Type-species: *Gripekovenia tristis* Kieffer, 1918, by original designation. Synonymized with *Metriocnemus* Wulp, 1874, by Goetghebuer in Goetghebuer & Lenz (1940: *Die Fliegen der Palaearktischen Region* **13g**: 5).

CHASMATOCLADIUS KIEFFER in KIEFFER & THIENEMANN, 1919: *Entomologische Mitteilungen* **8**: 47. Type-species: *Chironomus eurynotus* Holmgren, 1883, by original designation. Synonymized with *Metriocnemus* Wulp, 1874, by Brundin (1956: *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 132).

CRYMALEOMYIA ASHE & O'CONNOR, 2000: see below as subgenus.

INERMIPUPA LANGTON & COBO, 1997: see below as subgenus.

METRIOCNEMUS WULP, 1874: see below as subgenus.

Subgenus **CRYMALEOMYIA** ASHE & O'CONNOR

CRYMALEOMYIA ASHE & O'CONNOR, 2000: *Late 20th Century Research on Chironomidae*: 25. Type-species: *Metriocnemus* (*Crymaleomyia*) *brunneri* Ashe & O'Connor, 2000, by original designation.

brunneri ASHE & O'CONNOR, 2000: *Late 20th Century Research on Chironomidae*: 27 (*Metriocnemus* (*Crymaleomyia*)). Type-locality: "PAKISTAN: Karakorum, Abruzzen-Gletscher [Abruzzi Glacier] . . . 5,000 m a.s.l.". — Distr.: **OR**: Pakistan. [**Note**]

Subgenus **INERMIPUPA** LANGTON & COBO

INERMIPUPA LANGTON & COBO, 1997: *Entomologist's Gazette* **48**: 263. Type-species: *Metriocnemus* (*Inermipupa*) *carmencitabertarum* Langton & Cobo, 1997, by original designation.

carmencitabertarum LANGTON & COBO, 1997: *Entomologist's Gazette* **48**: 263 (*Metriocnemus* (*Inermipupa*)). Type-locality: "Tállara, Lousame, La Coruña, Spain". — Distr.: **PA**: Azores, Portugal, Spain.

Subgenus **METRIOCNEMUS** WULP

abdominoflavatus PICADO, 1913: *Bulletin Scientifique de la France et de la Belgique* **47**(3): 284 (*Metriocnemus*; as "*abdomino-flavatus*"). Type-locality: "bromélicoles . . . dans toute la vallée de Cartago . . . Costa-Rica" [= bromeliads . . . throughout the Cartago Valley . . . Costa Rica]. — Distr.: **NT**: Costa Rica. [**Note**]

aculeatus CHAUDHURI & BHATTACHARYAY in CHAUDHURI, BHATTACHARYAY & DUTTA, 1989: *Oriental Insects* **23**: 309 (*Metriocnemus*). Type-locality: "INDIA: West Bengal: Darjeeling". — Distr.: **OR**: China (Fujian, Sichuan), India (West Bengal).

acutus SÆTHER, 1995: *Annales de Limnolgie* **31**(1): 42 (*Metriocnemus*). Type-locality: "Norway : Nord-Trøndelag, Høylandet, Skiftesåaa" [error, Skiftesåaa = Skiftesåa]. — Distr.: **PA**: Finland, Norway.

aequalis JOHANNSEN, 1934: *Journal of the New York Entomological Society* **42**: 348 (*Metriocnemus*). Type-localities: [U.S.A.] "Ithaca, N. Y." [N. Y. = New York]; "Chicago, Ill." [Ill. = Illinois]. — Distr.: **NE**: U.S.A. (Illinois, New York, Ohio).

albolineatus (MEIGEN, 1818): *Systematische Beschreibung* **1**: 39 (*Chironomus*). Type-locality: [Title] "europäischen" [= European] [Lectotype designated in Sæther, 1989: *Entomologica Scandinavica* **19**(4): 399]. — Distr.: **NE**: Greenland, U.S.A. (Colorado, New York, Ohio); **PA**: Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Ireland, Latvia, Luxembourg, Netherlands, Norway, Poland, Romania, Russia (CET, NET, East Siberia, West Siberia), Slovakia, Spain, Sweden, Switzerland; **OR**: India (Sikkim or West Bengal).

atratulus (ZETTERSTEDT, 1850): *Diptera Scandinaviæ disposita et discripta* **9**: 3590 (*Chironomus*). Type-locality: "in Töien prope Christianiam Norwegiæ" [= in Tøyen near Oslo Norway] [Lectotype designated in Sæther, 1989: *Entomologica Scandinavica* **19**(4): 400, "NORWAY, Oslo, Tøyen"].

amamianomalis SASA, 1990: *Japanese Journal of Experimental Medicine* **60**(3): 130 (*Metriocnemus*). Type-locality: {Nansei Islands, southern Japan} "at the side of a small stream at Sude, Setouchi-cho, Amami Island". — Distr.: **OR**: Japan (Ryukyu Archipelago).

amplispinus CHAUDHURI & BHATTACHARYAY in CHAUDHURI, BHATTACHARYAY & DUTTA, 1989: *Oriental Insects* **23**: 310 (*Metriocnemus*). Type-locality: "INDIA: West Bengal: Darjeeling, Bijanbari". — Distr.: **OR**: India (West Bengal).

amurensis MAKARCHENKO & MAKARCHENKO, 2009: *Evraziatskii Entomologicheskii Zhurnal* **8**, Supplement **1**: 75 (*Metriocnemus*). Type-locality: {Russia} **Severo-Zapadnyi Sakhalin, Okhinskii r-n, r. Langry** [= north-western part

of Sakhalin Island, Okhinsk District, River Langry]. — Distr.: **PA**: Russia (Far East).

atriclava KIEFFER, 1921: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 83 (*Metriocnemus*). Type-locality: [Germany] "Sleswig — Holstein, larves dans une source" [= Schleswig — Holstein, larvae in a spring]. — Distr.: **PA**: Faroe Islands, Finland, France, Germany, Great Britain, Ireland, Norway, Novaya Zemlya.

nivicola KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1re partie (Comptes Rendus)* **44**: 563 (*Metriocnemus*; as var. of *atriclava* Kieffer, 1921). Type-localities: [Germany, Schwartzwald] "Forêt-Noire : Todtmoos" [= Black Forest : Todtmoos]; "bords de la Wehra" [= banks of the Wehra].

beringensis (CRANSTON & OLIVER, 1988): *Canadian Entomologist* **120**(5): 428 (*Apometriocnemus*). Type-locality: "CANADA: Yukon Territory, Trout Lake, 68°49'N, 138°43'W". — Distr.: **NE**: Canada (Yukon Territory); **PA**: Finland, Germany, Ireland, Netherlands, Norway, Russia (Far East). [**Note**]

beringiensis: incorrect subsequent spelling

bilobatus MAKARCHENKO & MAKARCHENKO, 2004: *Flora and fauna of Sakhalin Island*: 216 (*Metriocnemus*). Type-locality: [Russia] **o-v Sakhalin, Noglikskii r-n, bassein r. Chamgu (vostochnoe poberezh′e), ruchei Khrebtovyi za Chamginskim perevalom, 743 m nad ur.m** [= Sakhalin Island, Nogliki District, basin of the River Chamgu (eastern coast), Khrebtovyi stream beyond the Chamginskii mountain pass, 743 metres above sea-level]. — Distr.: **PA**: Russia (Far East).

brusti SÆTHER, 1989: *Entomologica Scandinavica* **19**(4): 407 (*Metriocnemus*). Type-locality: "CANADA: Manitoba, Port Churchill, temporary pool". — Distr.: **NE**: Canada (Manitoba); **PA**: China (Inner Mongolia, Qinghai), Novaya Zemlya, Russia (Far East), Switzerland.

callinotus KIEFFER, 1911: *Records of the Indian Museum* **6**(3): 175 (*Metriocnemus*). Type-locality: [India, Himachal Pradesh] "Simla hills . . . à une altitude de 2300 m."

[= Simla hills . . . at an altitude of 2300 metres]. — Distr.: **OR**: India (Himachal Pradesh). [**Note**]

calvescens SÆTHER, 1995: *Annales de Limnolgie* **31**(1): 45 (*Metriocnemus*). Type-locality: "China : Quinghai, Menyuan" [Quinghai = Qinghai]. — Distr.: **PA**: China (Qinghai).

canus FREEMAN, 1954: *Archiv für Hydrobiologie* **48**(4): 441 (*Metriocnemus*). Type-locality: "Kenya, Aberdare Range, Nyeri Track, 10,500 ft.". — Distr.: **AF**: D.R.Congo, Kenya, Tanzania, Uganda.

capicola HARRISON, 2004: *Annals of the Eastern Cape Museums* **3**: 15 (*Metriocnemus*; as nom. nov. for *Metriocnemus capensis* Harrison, 2002, nec *Metriocnemus capensis* Freeman, 1954). — Distr.: **AF**: South Africa.

capensis HARRISON, 2002: *Annals of the Eastern Cape Museums* **2**: 10 (*Metriocnemus*). Type-locality: {South Africa} "from small waterfall, tributary of Silvermine River, Cape Peninsula, 34.05S, 18.25E". **Preoccupied**. Junior primary homonym of *Metriocnemus capensis* Freeman, 1954.

cataractarum KIEFFER in KIEFFER & THIENEMANN, 1919: *Entomologische Mitteilungen* **8**: 119 (*Metriocnemus*). Type-locality: "Spitzbergen: Ostseite am Storfjord, an Wasserfällen" [= Spitzbergen: eastern side at Storfjord, at waterfalls]. — Distr.: **PA**: Bear Island, Norway, Spitzbergen.

caudigus SÆTHER, 1995: *Annales de Limnolgie* **31**(1): 52 (*Metriocnemus*). Type-locality: "Norway : Nord Trøndelag, Høylandet, Skiftesåa". — Distr.: **PA**: Finland, Germany, Luxembourg, Norway, Russia (Far East).

cavicola KIEFFER, 1921: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 85 (*Metriocnemus*). Type-locality: "Larves dans l'eau d'une cavité d'un tronc de hêtre, Allemagne du Nord" [= Larvae in water of a cavity in the trunk of a beech tree, northern Germany]. — Distr.: **PA**: Belgium, Bulgaria, Czech Republic, Denmark, Germany, Great Britain, Hungary, Ireland, Madeira, Moldova, Netherlands, Russia (CET), Slovakia, Turkey. [**Note**]

martinii THIENEMANN, 1921: *Archiv für Hydrobiologie Supplement* **2**(4): 816

(*Metriocnemus*; as "*Martinii*"). Locality: "in den wasserfüllten Höhlungen der Buchen Norddeutschlands" [= in the water-filled cavities of beech trees in northern Germany]. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

conicus FREEMAN, 1955: *Exploration du Parc National Albert Mission G. F. de Witte* **83**: 8 (*Metriocnemus*). Type-locality: "Ruanda : Sabinyo (volc.), vall. Rwebeya, 3.000 m" [Ruanda = Rwanda]. — Distr.: **AF**: Rwanda.

corticalis STRENZKE, 1950: *Archiv für Hydrobiologie Supplement* **18**(2): 235 (*Metriocnemus*; as subspecies of *atratulus* Zetterstedt, 1850). Type-locality: [Germany] "Berlin-Malchow" [Lectotype designated in Sæther, 1989: *Entomologica Scandinavica* **19**: 404, "GERMANY: Berlin, Malchow"]. — Distr.: **PA**: France, Germany.

costatus SUBLETTE & SASA, 1994: *Spixiana Supplement* **20**: 22 (*Metriocnemus*). Type-locality: {Guatemala} "Barretal". — Distr.: **NT**: Guatemala.

dentipalpus SÆTHER, 1995: *Annales de Limnolgie* **31**(1): 44 (*Metriocnemus*). Type-locality: "China : Xizang (Tibet), Dingri". — Distr.: **PA**: China (Tibet).

edwardsi JONES, 1916: *Entomological News* **27**(9): 385 (*Metriocnemus*). Type-locality: [U.S.A.] "Mount Eddy, near Sisson, Siskiyou County, California". — Distr.: **NE**: Canada (British Columbia), U.S.A. (California).

eryngiotelmatus DONATO & PAGGI, 2005: *Zootaxa* **1050**: 3 (*Metriocnemus*). Type-locality: "Punta Lara, 34°51.090'S 57°57.543'W, Buenos Aires, Argentina". — Distr.: **NT**: Argentina, Uruguay.

eurynotus (HOLMGREN, 1883): *Entomologisk Tidskrift* **4**(3/4): 179 (*Chironomus*). Type-locality: [Russia, Novaya Zemlya] "Waigatsch" [Lectotype designated in Sæther, 1989: *Entomologica Scandinavica* **19**(4): 410, [Russia] "USSR: Novaya Zemlya, Waigatsch"]. — Distr.: **NE**: Canada (Northwest Territories, New Brunswick, Ontario), Greenland, U.S.A. (Minnesota, North Carolina, Ohio, South Carolina, Tennessee); **PA**: Austria, Balearic Islands, Bear Island,

Belgium, Canary Islands, China (Gansu), Czech Republic, Denmark, Faroe Islands, Finland, France, Germany, Great Britain, Hungary, Iceland, Ireland, Italy, Kaliningrad, Japan, Lebanon, Lithuania, Luxembourg, Madeira, Moldova, Morocco, Netherlands, Norway, Novaya Zemlya, Poland, Portugal, Romania, Russia (CET, NET, East Siberia, Far East), Slovakia, Spain, Spitzbergen, Sweden, Switzerland, ¶Yugoslavia; **OR**: China (Sichuan), Myanmar.

obscuripes (HOLMGREN, 1869): *Kungliga Svenska VetenskapsAkademiens Handlingar* **8**(5): 38 (*Chironomus*). Type-localities: : [Norway] "Hab. in Spetsbergia ad Green Harbour" [= Dwells in Spitzbergen at Green Harbour]; [Spitzbergen] "ad Advent Bay"; [Spitzbergen] "ad Kingsbay"; [Spitzbergen] "ad Belsund" [Lectotype designated by Oliver as detailed in Sæther, 1989: *Entomologica Scandinavica* **19**(4): 410, "NORWAY: Spitzbergen, Green Harbour"]. **Preoccupied**. Junior primary homonym of *Chironomus obscuripes* Meigen, 1830 (now a valid species of *Glyptotendipes* Kieffer, 1913, in the Subfamily Chironominae).

ripicola (HOLMGREN, 1883): *Entomologisk Tidskrift* **4**(3/4): 180 (*Chironomus*). Type-locality: [Russia, Novaya Zemlya] "Ryska Sommarstation" [Lectotype designated in Sæther, 1989: *Entomologica Scandinavica* **19**(4): 410, [Russia] "Novaya Zemlya, Russian Summer Station (Ryska Sommarstation)"].

transgressus (HOLMGREN, 1883): *Entomologisk Tidskrift* **4**(3/4): 180 (*Chironomus*). Type-locality: [Russia, Novaya Zemlya] "Matotschkin Scharr" [Lectotype designated in Sæther, 1989: *Entomologica Scandinavica* **19**(4): 410, [Russia] "Novaya Zemlya, Matotsckin Scharr"].

hygropetricus KIEFFER, 1912: *Bulletin de la Société Entomologique de France* **1912**: 86 (*Metriocnemus*). Type-locality: "Allemagne" [= Germany]. [**Note**]

longitarsis GOETGHEBUER, 1921: *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 77 (*Metriocnemus*). Type-locality: {Belgique} [p. 21] " à Destelbergen"; [p. 190] "Les Flandres"; "Ethe (H. B.)" [H. B. = Haute Belgique], [Belgique = Belgium].

violaceus SPÄRCK, 1923: *Entomologiske Meddelelser* **14**(2/3): 87 (*Metriocnemus*). Type-locality: [Germany] "in Bröltal, Eifel". Senior primary homonym and senior synonym of *Metriocnemus violaceus* Kieffer, 1925 (below). [**Note**]

violaceus KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1re partie (Comptes Rendus)* **44**: 383 (*Metriocnemus*; as var. of *hygropetricus* Kieffer, 1912). Type-locality: "Allemagne" [= Germany]. **Preoccupied**. Junior primary homonym and junior synonym of *Metriocnemus violaceus* Spärck, 1923 (above). [**Note**]

flavipilus KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1re partie (Comptes Rendus)* **44**: 383 (*Metriocnemus*; as var. of *hygropetricus* Kieffer, 1912). Type-locality: [Germany] "Holstein".

grossus KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1re partie (Comptes Rendus)* **44**: 384 (*Metriocnemus*; as var. of *hygropetricus* Kieffer, 1912). Type-locality: "Allemagne du Nord" [= northern Germany].

exilacies SÆTHER, 1995: *Annales de Limnolgie* **31**(1): 56 (*Metriocnemus*). Type-locality: "Norway : Nord-Trøndelag, Høylandet, Skiftesåa" — Distr.: **PA**: Finland, Norway.

fletcheri FREEMAN, 1956: *Bulletin of the British Museum (Natural History)* Entomology **4**(7): 297 (*Metriocnemus*). Type-locality: "UGANDA: Ruwenzori Range, Mahoma River, 6,700 ft.". — Distr.: **AF**: Angola, Tanzania, Uganda.

fuscipes (MEIGEN, 1818): *Systematische Beschreibung* **1**: 49 (*Chironomus*). Type-locality: [Title] "europäischen" [= European]. — Distr.: **NE**: Canada (Ontario), Greenland, U.S.A. (Georgia, New York, North Carolina, South Carolina, South Dakota, Tennessee); **PA**: Austria, Azores, Belarus, Belgium, Bosnia and Herzegovina, **?**Canary Islands, China (Ningxia), Czech Republic, Denmark, Faroe Islands, Finland, France, Germany, Great Britain, **?**Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Madeira; Mongolia, Morocco, Netherlands, Norway; Poland, Romania, Russia (CET, NET, East Siberia, Far East), Slovakia, Spain, Sweden, Switzerland, Turkey.

fuscipes (MEIGEN, 1818): **Not Neotropical.**

adjunctus (WALKER, 1856): *Insecta Britannica Diptera* **3**: 190 (*Chironomus*). Type-locality: [Great Britain] "(E.)" [= England].

alligatus (WALKER, 1856): *Insecta Britannica Diptera* **3**: 190 (*Chironomus*). Type-locality: [Great Britain] "(E.)" [= England].

fertus (WALKER, 1856): *Insecta Britannica Diptera* **3**: 192 (*Chironomus*). Type-locality: [Great Britain] "(E.)" [= England].

obsistens (WALKER, 1856): *Insecta Britannica Diptera* **3**: 188 (*Chironomus*). Type-locality: [Great Britain] "(E.)" [= England].

deproperans (WALKER, 1856): *Insecta Britannica Diptera* **3**: 188 (*Chironomus*). Type-locality: [Great Britain] "(E.)" [= England].

subtangens KIEFFER, 1911: *Bulletin de la Société Entomologique de France* **1911**: 200 (*Metriocnemus*). Type-locality: Not given ‖►Type-locality: [Germany, Westphalia] "an einer Quelle in der Nähe der Haspersperre" [= at a spring near the Hasper Dam] in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 78◄‖.

auripilus GOETGHEBUER, 1921: *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 79 (*Metriocnemus*). Type-localities: {Belgique} [p. 21] "à Destelbergen et à Gand" [= at Destelbergen and at Gand]; [p. 188] "Les Flandres"; "forêt de Soignes (M. B.)" [= forest of Soignes (Moyenne Belgique)]; "Gedinne (H. B.)" [H. B. = Haute Belgique]; "Hockai (Subalp.)", [Belgique = Belgium]. [**Note**]

hirticollis (STAEGER, 1839): *Naturhistorisk Tidsskrift* (1) **2**: 582 (*Chironomus*). Type-locality: [Title, p. 549] "Danmark" [= Denmark]. — Distr.: **PA**: Belgium, Czech Republic, Denmark, Italy, Lebanon, Macedonia, Netherlands, Poland, Romania, Russia (SET), Slovakia, Spain.

hornsbyensis FREEMAN, 1961: *Australian Journal of Zoology* **9**(4): 657 (*Metriocnemus*). Type-locality: {Australia} "Hornsby, N.S.W." [N.S.W. = New South Wales]. — Distr.: **AU**: Australia (New South Wales).

inopinatus STRENZKE, 1950: *Archiv für Hydrobiologie* **44**(1): 157 (*Metriocnemus*). Type-localities: [Germany] "in Phytotelmen von *Scirpus silvaticus* . . . von den Kossauwiesen bei Plön" [= in phytotelmata of *Scirpus silvaticus* . . . on the Kossau meadow near Plön]. — Distr.: **PA**: Czech Republic, Germany, Ireland, Moldova, Netherlands.

intergerivus SÆTHER, 1995: *Annales de Limnolgie* **31**(1): 52 (*Metriocnemus*). Type-locality: "Canada : Manitoba, Lake Winnipeg, 2 mi. off Grand Rapids". — Distr.: **NE**: Canada (Manitoba, Northwest Territories); **PA**: Finland, Norway, Russia (Far East).

knabi COQUILLETT, 1904: *Canadian Entomologist* **36**(1): 11 (*Metriocnemus*; as "*Knabi*"). Type-locality: [U.S.A.] "Westfield, Massachusetts" ‖►Type-locality: "pitcher plant, *Sarracenia purpurea* . . . on the boggy shores of a pond a few miles from Westfield, Massachusetts" in Knab, 1905: *Journal of the New York Entomological Society* **13**(2): 69◄‖. — Distr.: **NE**: Bermuda, Canada (Manitoba, New Brunswick, Newfoundland and Labrador, Nova Scotia, Ontario, Prince Edward Island), U.S.A. (Alabama, Delaware, Florida, Illinois, Massachusetts, Michigan, Mississippi, New Jersey, New York, North Carolina, Ohio, Pennsylvania).

lacteolus GOETGHEBUER, 1921: *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 81 (*Metriocnemus*). Type-locality: {Belgique} [p. 188] "Woluwe (M. B.)" [M. B. = Moyenne Belgique], [Belgique = Belgium]. — Distr.: **PA**: Belgium, Germany. [**Note**]

lautus SUBLETTE & SASA, 1994: *Spixiana Supplement* **20**: 24 (*Metriocnemus*). Type-locality: {Guatemala} "Lavaderos". — Distr.: **NT**: Guatemala.

lobeliae (FREEMAN, 1956): *Bulletin of the British Museum (Natural History)* Entomology **4**(7): 296 (*Metriocnemus*). Type-locality: "KENYA: Aberdare Range, Mt. Kinangop". — Distr.: **AF**: Kenya.

longipennis (HOLMGREN, 1883): *Entomologisk Tidskrift* **4**(3/4): 181 (*Smittia*). Type-locality: [Russia, Novaya Zemlya] "Matotschkin (Norra ön)". — Distr.: **NE**:

U.S.A. (Alaska); **PA**: Novaya Zemlya, Russia (East Siberia). [**Note**]

nigrescens JOHANNSEN, 1932: *Archiv für Hydrobiologie Supplement* **9**: 718 (*Metriocnemus*). Type-locality: [Indonesia] "in a spring on the Lawu Plateau, 3265 meters elevation Middle Java". — Distr.: **OR**: Indonesia (Java).

oiraquintus SASA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 74 (*Metriocnemus*). Type-locality: {Japan} "at Nenokuchi". — Distr.: **PA**: Japan, Mongolia.

pankratovae GOLUBEVA, 1980: *Entomologicheskoe Obozrenie* **59**(3): 654 (*Metriocnemus*). Type-locality: [Russia, Central European Territory] **r. Solonitsy, Yaroslavskaya obl.** [= River Solonitsa, Yaroslavl Oblast]. — Distr.: **PA**: Russia (CET) .

perfuscus MALLOCH, 1934: *Memoirs of the Carnegie Museum* **12**: 18 (*Metriocnemus* (*Metriocnemus*)). Type-locality: [Canada, Nunavut] [Volume Title] "Southampton Island, Hudson Bay". — Distr.: **NE**: Canada (Nunavut).

picipes (MEIGEN, 1818): *Systematische Beschreibung* **1**: 52 (*Chironomus*).. Type-locality: [Title] "europäischen" [= European] [Lectotype designated in Sæther, 1995: *Annales de Limnolgie* **31**(1): 59]. — Distr.: **NE**: Greenland; **PA**: Austria, Belgium, China (Jilin), Denmark, Finland, France, Germany, Great Britain, Ireland, Kaliningrad, Netherlands, Norway, Poland, Romania, Russia (NET, East Siberia, Far East), Spain, Spitzbergen, Sweden; **OR**: China (Sichuan), India (Mizoram, Sikkim/West Bengal). [**Note**]

picipes (MEIGEN, 1818). **Not Neotropical.**

paganicus (WALKER, 1856): *Insecta Britannica Diptera* **3**: 183 (*Chironomus*). Type-locality: [Great Britain] "(E.)" [= England].

hirtipalpis KIEFFER, 1915: *Archiv für Hydrobiologie Supplement* **2**(2): 478 (*Metriocnemus*). Type-locality: [Germany] "Sassendorf"; "Dänemark" [= Denmark]. Senior primary homonym of *Metriocnemus hirtipalpis* Kieffer, 1915 (below).

hirtipalpis KIEFFER, 1915: *Entomologiske Meddelelser* **10**: 295 (*Metriocnemus*).

Type-locality: [Title] "dänische" [= Danish, i.e. Denmark]. **Preoccupied**. Junior primary homonym of *Metriocnemus hirtipalpis* Kieffer, 1915 (above).

longipalpus SINHARAY & CHAUDHURI, 1978: *Spixiana* **1**(3): 281 (*Metriocnemus*). Type-locality: "India: West Bengal: Tung".

polaris KIEFFER, 1926: *Norsk Entomologisk Tidsskrift* **2**: 87 (*Metriocnemus*). Type-locality: [Canada, Nunavut, Ellesmere Island] "Vinter Havnen" [= Gåsefjord]. — Distr.: **NE**: Canada (Nunavut), Greenland.

pseudorostratus CHAUDHURI & BHATTACHARYAY in CHAUDHURI, BHATTACHARYAY & DUTTA, 1989: *Oriental Insects* **23**: 311 (*Metriocnemus*). Type-locality: "INDIA: West Bengal: Darjeeling". — Distr.: **OR**: India (West Bengal).

puna DONATO & SIRI, 2010: *Neotropical Entomology* **39**(1): 54 (*Metriocnemus*). Type-locality: "ARGENTINA: Salta, Quebrada del Agua, 24º 30' 33''S– 68º 10' 52.6''W, 3678 m". — Distr.: **NT**: Argentina.

rufulus MAKARCHENKO & MAKARCHENKO, 2009: *Evraziatskii Entomologicheskii Zhurnal* **8**, Supplement **1**: 76 (*Metriocnemus*). Type-locality: {Russia} **Severo-Zapadnyi Sakhalin, Okhinskii r-n, r. Langry, priust′evaya chast′, Peschanye ozëra** [= north-western part of Sakhalin Island, Okha District, River Langry, area near the mouth, Peschanye lakes]. — Distr.: **PA**: Russia (Far East).

seiryumeneus SASA, SUZUKI & SAKAI, 1999: *Tropical Medicine* **40**(3): 113 (*Metriocnemus* (*Tosacladius*)). Type-locality: [Abstract, p. 99] "Shimanto River, western Shikoku Island, Japan"; [p. 113] "in the town of Nakamura". — Distr.: **PA**: Japan.

shouclarus SASA, 1989: *Research Report Toyama Prefectural Environmental Pollution Research Center* **1989**: 43 (*Metriocnemus*). Type-locality: [Japan] {Shou River . . . Toyama Prefecture} "at St. 3". — Distr.: **PA**: Japan.

sibiricus (LUNDSTRÖM, 1915): *Résultats scientifiques de l'Expédition Polaire Russe en 1900-1903, sons la direction du Baron E. Toll. Section E*: *Zoologie* 2(8). *Zapiski*

Imperatorskoi Akademii Nauk, Série 8, *Classe physico-mathématique* **29**(8): 19 (*Arctomyia*). Type-localities: [Russia, East Siberia] "Ins. Neu-Sibirien . . . Südküste, Holzgebirge" [= New Siberian Islands, south coast, Holzgebirge]; "Bucht Wosnessenje" [= Wosnessenje Bay]; "Chara-Ullach-Gebirge" [= Chara-Ullach Mountains]; "Insel Kotelnyj, Südufer" [= Kotelnyj Island, south coast] [Lectotype designated in Sæther, 1995: *Annales de Limnolgie* **31**(1): 48, "Russia : New Siberian Islands, south coast, « Holzgebirge »"]. — Distr.: **PA**: Russia (East Siberia).

stevensi SUBLETTE in SUBLETTE, STEVENS & SHANNON, 1998: *Great Basin Naturalist* **58**(2): 124 (*Metriocnemus*). Type-locality: {USA} "AZ: Coconino Co., Grand Canyon National Park, Colorado River, Vaseys Paradise, river mi 31.8, 876 m elev" [AZ = Arizona, elev = elevation]. — Distr.: **NE**: U.S.A. (Arizona).

sudagaimeneus SASA & TANAKA, 2001: *Annual Report of the Gunma Prefecture Institute of Public Health and Environmental Science* **33**: 58 (*Metriocnemus*). Type-locality: {Japan} [Abstract, p. 41] "Tone River, Gunma Prefecture"; [p. 58] "Sudagai". — Distr.: **PA**: Japan.

tamaokui SASA, 1983: *Research Report from the National Institute for Environmental Studies* **43**: 77 (*Metriocnemus*). Type-locality: [Japan] {Tama River} "Station B, Okutama". — Distr.: **PA**: Japan.

terrester PAGAST, THIENEMANN & KRÜGER, 1941: *Zoologischer Anzeiger* **133**(9/10): 203 (*Metriocnemus*). Type-localities: [Germany] "Trentsee bei Plön, N.-Ufer" [= Trentsee near Plön, north shore]; "Am W.-Ufer des Trentsees" [= On the west shore of Trentsee]; "Schoehsee, N.-Ufer" [=Schoehsee, north shore]; "Behlersee, . . . am S.-Ufer" [=Behlersee, . . . on the south shore]; "Dieksee; S.-Ufer" [=Dieksee; south shore]; "Gr. Plöner See, W.-Ufer des Prinzeninsel" [= Grosser Plöner See, west shore of the Prinz Islands]; "Gr. Plöner See, . . . am Schwentine-Ausfluß" [= Grosser Plöner See, . . . on the Schwentine outflow];"W.-Ufer des Schoehsees" [= west shore of Schoehsee]. — Distr.: **PA**:

Austria, Czech Republic, Denmark, France, Germany, Great Britain, Italy, Netherlands, Poland. [**Note**]

togaminor SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 143 (*Metriocnemus*). Type-locality: {Japan} [Introduction, p. 92] "Toga-mura . . . in the southern mountainous part of Toyama Prefecture". — Distr.: **PA**: Japan.

togaminor SASA & OKAZAWA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 120 (*Metriocnemus*). Locality: {Japan} [Abstract, p. 105] "Toga-mura, a village situated in the mountainous region of Toyama Prefecture". Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

toganiger (SASA & OKAZAWA, 1991): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 140 (*Gymnometriocnemus*). Type-locality: {Japan} [Introduction, p. 92] "Toga-mura . . . in the southern mountainous part of Toyama Prefecture"; [p. 140] "at the side of Momose River". — Distr.: **PA**: Japan.

togapullus SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 144 (*Metriocnemus*). Type-locality: {Japan} [Introduction, p. 92] "Toga-mura . . . in the southern mountainous part of Toyama Prefecture". — Distr.: **PA**: Japan.

togapullus SASA & OKAZAWA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 120 (*Metriocnemus*). Locality: {Japan} [Abstract, p. 105] "Toga-mura, a village situated in the mountainous region of Toyama Prefecture". Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

tristellus EDWARDS, 1929: *Transactions of the Entomological Society of London* **77**: 312 (*Metriocnemus*). Type-localities: [Great Britain] "Hauxton, Cambs." [Cambs. =

Cambridgeshire]; "Baldock, Herts." [Herts. = Hertfordshire]. — Distr.: **NE**: Greenland; **PA**: Denmark, Finland, France, Germany, Great Britain, Ireland, Netherlands, Norway, Romania, Russia (CET, East Siberia).

tropicus KIEFFER, 1917: *Annales Historico-Naturales Musei Nationalis Hungarici* **15**: 363 (*Metriocnemus*). Type-locality: "Paraguay : San Bernadino". — Distr.: **NT**: Paraguay.

unilinearis CHAUDHURI & BHATTACHARYAY in CHAUDHURI, BHATTACHARYAY & DUTTA, 1989: *Oriental Insects* **23**: 312 (*Metriocnemus*). Type-locality: "INDIA: West Bengal: Lebong". — Distr.: **PA**: China (Tibet); **OR**: India (West Bengal).

ursinus (HOLMGREN, 1869): *Kungliga Svenska VetenskapsAkademiens Handlingar* **8**(5): 39 (*Chironomus*). Type-localities: : [Norway] "Hab. in Spetsbergia ad Bel Sund" [= Dwells in Spitzbergen at Bel Sund]; [Spitzbergen] "Aldert Dirkses Bay in Wijdebay"; [Spitzbergen] "Treurenberg"; [Spitzbergen] "ad Advent Bay, Smeerenberg, Kobbebay, Brandewijnebay et Kingsbay" [Lectotype designated by Oliver as detailed in Sæther, 1989: *Entomologica Scandinavica* **19**(4): 417,"NORWAY: Spitzbergen, Advent Bay"] — Distr.: **NE**: Canada (Northwest Territories, Québec), Greenland; **PA**: Finland, France, Germany, Great Britain, Ireland, Norway, Novaya Zemlya, Poland, Russia (Far East), Spain, Spitzbergen, Sweden, Switzerland. [**Note**]

? *innotatus* KIEFFER, 1922: *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **2**: 10 (*Metriocnemus*; as var. of *ursinus* Holmgren, 1869). Type-locality: [Russia] {Nouvelle-Zemble} "Lac Trehörningen Fjord" [= Lake Trehörningen Mashigin Fjord]. **Questionable synonym**.

? *trinotatus* KIEFFER, 1922: *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **2**: 11 (*Metriocnemus*; as var. of *ursinus* Holmgren, 1869). Type-locality: [Russia] {Nouvelle-Zemble} "Au l'un bouchure du Riviere Chalhonik, Detroit Matotchkin" [= At the mouth of the

River Chalhonik, Detroit Matotchkin] . **Questionable synonym**. [**Note**]

virgatus SUBLETTE & SASA, 1994: *Spixiana Supplement* **20**: 25 (*Metriocnemus*). Type-locality: {Guatemala} "Rincon". — Distr.: **NT**: Guatemala.

wangi SÆTHER, 1995: *Annales de Limnolgie* **31**(1): 41 (*Metriocnemus*). Type-locality: "China: Sichuan, Mt. Jinfo". — Distr.: **OR**: China (Sichuan).

wittei FREEMAN, 1955: *Exploration du Parc National Albert Mission G. F. de Witte* **83**: 9 (*Metriocnemus*). Type-locality: [Democratic Republic of Congo] "lac Magera, 2.000 m" [= Lake Magera, 2,000 metres]. — Distr.: **AF**: D.R.Congo, Ethiopia, Réunion, South Africa, Uganda.

yaquina CRANSTON & JUDD, 1987: *Journal of the New York Entomological Society* **95**(4): 534 (*Metriocnemus*). Type-locality: "UNITED STATES: *Oregon, Franklin Co.,* nr Newport, Yaquina head, ex upper shore rock pool" — Distr.: **NE**: U.S.A. (Oregon).

Nomina dubia in METRIOCNEMUS (METRIOCNEMUS)

dipsaci ZAVŘEL, 1941: *Acta Societatis Scientiarum Naturalium Moravo-Silesiacae* **13**(7): 1 (*Metriocnemus*; as var. of *hirticollis* Staeger, 1839). Type-localities: [Czech Republic] "Larvy byly sbírány v malých vodních nádržkách v ú žlabí listů *Dipsacus silvestris* (fytotelmách) u Šamorýnu poblíž Bratislavy" [= Larvae were collected in small pools of water in troughs on the leaves of *Dipsacus silvestris* (phytotelmata) at Šamorýnu near Bratislava]; "u Dol. Vistonic (Unterwistonitz)" [= at Dol. Vistonic (Unterwistonitz)]; "Dříve známá naleziště v Belgii (»dans l'eau)" [= Previously known sites in Belgium (»in water)]; "Litvě" [= Lithuania].

distans KIEFFER in THIENEMANN & KIEFFER, 1916: *Archiv für Hydrobiologie Supplement* **2**(3): 536 (*Metriocnemus*). Type-locality: {Sweden} [footnote, p. 536] "in Jönköping am Ufer des Vättern" [= in Jönköping on the shore of Vättern].

distylus KIEFFER, 1921: *Archiv für Hydrobiologie Supplement* **2**(4): 805 (*Metriocnemus*).

Type-locality: "Frankreich, aus Larven von Verdun" [= France, from larvae about Verdun].

hirtellus GOETGHEBUER, 1919: *Annales de Biologie Lacustre* **9**(1/3): 52 (*Metriocnemus*). Type-locality: {Belgique} "à Destelbergen (Flandre orientale)" [= at Destelbergen (eastern Flanders)], [Belgique = Belgium] ‖►Type-localities: {Belgique} [p. 21] "Larves dans un fossé, au milieu des plantes aquatiques, à Heusden" [= Larvae in a ditch, amongst aquatic plants, at Heusden]; [p. 188] "Les Flandres", in Goetghebuer, 1921: *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 80◄‖. Senior primary homonym of *Metriocnemus hirtellus* Goetghebuer, 1921 (below). [**Note**]

hirtellus GOETGHEBUER, 1921: *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 80 (*Metriocnemus*). Type-localities: {Belgique} [p. 21] "Larves dans un fossé, au milieu des plantes aquatiques, à Heusden" [= Larvae in a ditch, amongst aquatic plants, at Heusden]; [p. 188] "Les Flandres". **Preoccupied**. Junior primary homonym of *Metriocnemus hirtellus* Goetghebuer, 1921 (above). [**Note**]

incompletus PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 155 (*Metriocnemus*). Type-locality: [Tajikistan] **doliny r. Saradzhou** [= valley of the River Saradzhou].

rufiventris KIEFFER in KIEFFER & THIENEMANN, 1908: *Zeitschrift für Wissenschaftliche Insektenbiologie* **4**: 79 (*Metriocnemus*). Type-locality: [Germany] "Greifswald".

scirpi (KIEFFER, 1899): *Bulletin de la Société Entomologique de France* **1899**: 66 (*Wulpiella*). Type-locality: [France] "aux environs de Bitche, sous la gaine de feuilles de *Scirpus sylvaticus*" [= in the vicinity of Bitche, in the shaft of leaves of *Scirpus sylvaticus*].

stagnalis KIEFFER in THIENEMANN & KIEFFER, 1916: *Archiv für Hydrobiologie Supplement* **2**(3): 512 (*Metriocnemus*). Type-locality: {Sweden} "Paalsjö-Teich" [= Pålsjö pond].

stagnalis POTTHAST, 1914: *Archiv für Hydrobiologie Supplement* **2**(2) [Preprint]:

341 (*Metriocnemus*). Locality: "Schweden: Hälsingborg, Paalsjö-Teich, einzelne Larven zwischen *Lemna*" [= Sweden: Hälsingborg, Pålsjö pond, single larvae among *Lemna*]. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

tristis (KIEFFER, 1918): *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 134 (*Gripekovenia*). Type-locality: [Turkey] "Asie-Mineure: Angora" [= Asia Minor: Ankara].

vudjavricus CHERNOVSKII, 1949: *Opredeliteli po Faune SSSR, izdavaemye Zoologicheskim Institutom AN SSSR* **31**: 136 (*Metriocnemus*). Type-locality: [Russia, Northern European Territory] **v sublitorali oz. Malyi Vud-yavr na Kol′skom poluostrove** [= in the sublittoral of Lake Malyi Vud-yavr in the Kola Peninsula].

Unavailable names in METRIOCNEMUS (METRIOCNEMUS)

togaoiraseus SASA & OKAZAWA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 120 (*Metriocnemus*). Locality: {Japan} [Abstract, p. 105] "Toga-mura, a village situated in the mountainous region of Toyama Prefecture". Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

Genus **MIAMBERA** ANDERSEN & MENDES

MIAMBERA ANDERSEN & MENDES, 2012: *Biota Neotropica* **12**(1): 106. Type-species: *Miambera miae* Andersen & Mendes, 2012, by original designation.

miae ANDERSEN & MENDES, 2012: *Biota Neotropica* **12**(1): 106 (*Miambera*). Type-locality: "BRAZIL, Santa Catarina State, Urubici, Morro da Igreja, 28° 07.620' S and 49° 28.788' W, . . . 1822 m a.s.l.". — Distr.: **NT**: Brazil.

Genus **MOLLERIELLA** SÆTHER & EKREM

MOLLERIELLA SÆTHER & EKREM, 1999: *Acta Zoologica Academiae Scientiarum Hungaricae* **45**(2): 162. Type-species: *Molleriella calcarella* Sæther & Ekrem, 1999, by original designation.

calcarella SÆTHER & EKREM, 1999: *Acta Zoologica Academiae Scientiarum Hungaricae* **45**(2): 164 (*Molleriella*). Type-locality: "THE NETHERLANDS: Bergen op Zoom, banks of small lake". — Distr.: **PA**: Netherlands.

Genus **MURRAYCLADIUS** ASHE & O'CONNOR

MURRAYCLADIUS ASHE & O'CONNOR, 2007: *Contributions to the Systematics and Ecology of Aquatic Diptera*: 54. Type-species: *Murraycladius patwallacei* Ashe & O'Connor, 2007, by original designation.

patwallacei ASHE & O'CONNOR, 2007: *Contributions to the Systematics and Ecology of Aquatic Diptera*: 54 (*Murraycladius*). Type-locality: "2nd waterfall, Sungai Elok (Waterfall Stream), tributary of River Tumpah, Dumoga-Bone National Park, Sulawesi Utara, Indonesia." — Distr.: **OR**: Indonesia (Sulawesi).

Genus **NAKATAIA** SUBLETTE & WIRTH

NAKATAIA SUBLETTE & WIRTH, 1980: *New Zealand Journal of Zoology* **7**: 324. Type-species: *Nakataia cisdentifer* Sublette & Wirth, 1980, by original designation.

cisdentifer SUBLETTE & WIRTH, 1980: *New Zealand Journal of Zoology* **7**: 324 (*Nakataia*). Type-locality: {New Zealand} "Aukland Is, Rose I., 1-10 m". — Distr.: **AU**: New Zealand (Auckland Islands).

Genus **NANOCLADIUS** KIEFFER

NANOCLADIUS KIEFFER, 1913: *Résultats Scientifiques Voyage de Ch. Alluaud et R. Jeannel en Afrique Orientale (1911-1912) (Diptères)* **1**: 31. Type-species: *Nanocladius vitellinus* Kieffer, 1913, by original designation.

MICROCRICOTOPUS GOETGHEBUER in GOETGHEBUER & LENZ, 1944: *Die Fliegen*

der Palaearktischen Region **13g**: 114 (as subgenus of *Eukiefferiella* Thienemann, 1926). Type-species: *Chironomus bicolor* Zetterstedt, 1838 [= *Chironomus dichromus* Kieffer, 1906], by original designation. Synonymized with *Nanocladius* Kieffer, 1913, by Sæther (1977: *Bulletin of the Fisheries Research Board of Canada* **196**: 2). [**Note**]

MICROCRICOTOPUS THIENEMANN & HARNISCH, 1932: *Zoologischer Anzeiger* **99**(5/6): 137. Type-species: Not given. Name not made available - not accompanied by the fixation of a type-species contrary to Article 13.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

NANOCLADIUS KIEFFER, 1913: see below as subgenus.

PLECOPTERACOLUTHUS STEFFAN, 1965: see below as subgenus.

Subgenus **NANOCLADIUS** KIEFFER

acutus LEHMANN, 1981: *Spixiana Supplement* **5**: 18 (*Nanocladius* (*Nanocladius*). Type-locality: [Democratic Republic of the Congo] "Simisimi-Bach, Kisangani, Zaire". — Distr.: **AF**: D.R.Congo.

alternantherae DENDY & SUBLETTE, 1959: *Annals of the Entomological Society of America* **52**: 510 (*Nanocladius*). Type-locality: [U.S.A.] "Auburn, Alabama". — Distr.: **NE**: Canada (Manitoba, Ontario), U.S.A. (Alabama, Arkansas, Colorado, Florida, Georgia, Nebraska, New Mexico, New York, North Carolina, Ohio, South Carolina).

anderseni SÆTHER, 1977: *Bulletin of the Fisheries Research Board of Canada* **196**: 16 (*Nanocladius* (*Nanocladius*)). Type-locality: [U.S.A.] "Missouri River, Brownville, Neb., 40°24′N, 95°40′W" [Neb. = Nebraska]. — Distr.: **NE**: Canada (Manitoba, Northwest Territories, Saskatchewan), U.S.A. (California, Illinois, Nebraska, South Dakota); **PA**: Novaya Zemlya, Russia (NET).

argentiplumus HARRISON, 1994: *Spixiana Supplement* **20**: 104 (*Nanocladius* (*Nanocladius*)). Type-locality: "Vaal River, Stranderton, Transvaal, South Africa". — Distr.: **AF**: South Africa.

balticus (PALMÉN, 1959): *Annales Entomologici Fennici* **25**(2): 62 (*Microcricotopus*).

Type-locality: "Brackwasser des Finnischen Meerbusens in der Nähe der Zoologischen Station Tvärminne, Südfinnland" [= Brackish waters of the Gulf of Finland near the Zoological Station Tvärminne, southern Finland]. — Distr.: **NE**: U.S.A. (Florida, North Carolina); **PA**: Austria, Belgium, Corsica, Denmark, Estonia, Finland, France, Germany, Great Britain, Ireland, Italy, Morocco, Netherlands, Norway, Romania, Russia (CET, Far East), Slovakia, Spain, Sweden, Switzerland.

baltus FU & WANG, 2009: *Zootaxa* **1985**: 44 (*Nanocladius* (*Nanocladius*). Type-locality: "CHINA: Yunnan Province: Yuanjiang County, 23°59'N, 102°00'E, 400–910 m a.s.l.". — Distr.: **OR**: China (Hainan, Yunnan).

brunneus FREEMAN, 1954: *Proceedings of the Royal Entomological Society* (B) **23**(9/10): 175 (*Nanocladius* (*Nanocladius*)). Type-locality: [South Africa] "Berg River, Driefontein". — Distr.: **AF**: South Africa.

calvatus FU & WANG, 2009: *Zootaxa* **1985**: 46 (*Nanocladius* (*Nanocladius*)). Type-locality: "CHINA: Sichuan Province: Baoxing County, 30°22' N, 102°50' E, 1.100 m a.s.l.". — Distr.: **OR**: China (Sichuan).

crassicornus SÆTHER, 1977: *Bulletin of the Fisheries Research Board of Canada* **196**: 51 (*Nanocladius* (*Nanocladius*)). Type-locality: [U.S.A.] "Missouri River near Sioux City, Iowa, 42°29′N, 96°24′W". — Distr.: **NE**: Canada (Saskatchewan), U.S.A. (Alabama, Florida, Georgia, Iowa, Minnesota, Nebraska, Ohio, South Carolina, Tennessee).

dichromus (KIEFFER, 1906): *Genera Insectorum* **42**: 18 (*Chironomus*; as nom. nov. for *Chironomus bicolor* Zetterstedt, 1838, nec *Chironomus bicolor* Waltl, 1837, nec *Chironomus bicolor* Meigen, 1838). — Distr.: **PA**: Austria, Belarus, Belgium, Bulgaria, Corsica, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Japan, Kaliningrad, Lebanon, Lithuania, Macedonia, Moldova, Mongolia, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET, SET, East Siberia, Far East, West Siberia), Slovakia, Spain, Sweden, Switzerland, Turkey, Ukraine, ¶Yugoslavia.

[**Note**]

bicolor (ZETTERSTEDT, 1837): *Isis* (Oken's) **1837**(1): 59 (*Chironomus*). Locality: [Sweden] [Title, p. 28] "Lapponica" [= Lapland]. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**. [**Note**]

bicolor (ZETTERSTEDT, 1838): *Insecta Lapponica* [Heft 3]: 813 (*Chironomus*). Type-locality: [Sweden] "in Lapponia Umensi . . . ad Stensele" [= in Umeå Lapland . . . at Stensele]. **Preoccupied**. Junior primary homonym of *Chironomus bicolor* Waltl, 1837 – the latter is a nomen dubium in Orthocladiinae. Senior primary homonym of *Chironomus bicolor* Meigen, 1838 – the latter is a junior synonym of *Chironomus bicolor* Waltl, 1837 and a nomen dubium in Orthocladiinae. [**Note**]

nigriclava (KIEFFER, 1915): *Brotéria, Série Zoológica* **13**: 87 (*Cricotopus*). Type-locality: "Deutschland" [= Germany] ‖ ►Type-locality: [Germany, Rhineland] "Ulmener Maar", in Thienemann, 1916: *Verhandlungen des Naturhistorischen Vereins der Preussischen Rheinlande, Westfalens und des Regierungsbezirks Osnabrück* **72**: 14◄‖.

albicornis (GOETGHEBUER, 1919): *Annales de Biologie Lacustre* **9**(1/3): 57 (*Cricotopus*). Type-locality: [Title] "Belgique" [= Belgium] ‖ ►Type-localities: {Belgique} [p. 27] "près des étangs de Destelbergen" [= near the ponds of Destelbergen]; [p. 190] "Les Flandres", [Belgique = Belgium], in Goetghebuer, 1921: *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 94◄‖. Senior primary homonym of *Cricotopus albicornis* Goetghebuer, 1921 (below). [**Note**]

albicornis (GOETGHEBUER, 1921): *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 94 (*Cricotopus*). Type-localities: {Belgique} [p. 27] "près des étangs de Destelbergen" [= near the ponds of Destelbergen]; [p. 190] "Les Flandres", [Belgique = Belgium]. **Preoccupied**. Junior primary homonym of *Cricotopus albicornis* Goetghebuer, 1919 (above).

albipluma (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 96 (*Cricotopus*). Type-locality: "Nord de l'Allemagne : lac de Selenter " [= North of Germany : Selenter Lake].

atripes (GOETGHEBUER, 1935): *Bulletin et Annales de la Société Entomologique de Belgique* **75**(11/12): 417 (*Eukiefferiella*; as var. of *bicolor* Zetterstedt, 1838). Type-locality: {Belgique} "Prairie marécageuse à Heusden" [= Marshy meadow at Heusden] [Belgique = Belgium].

distinctus (MALLOCH, 1915): *Bulletin of the Illinois State Laboratory of Natural History* **10**: 518 (*Orthocladius* (*Trichocladius*)). Type-locality: [U.S.A.] " Urbana, Ill., . . . at Chautauqua Park on the bank of the Illinois River" [Ill. = Illinois] [Lectotype designation in Frison, 1927: *Bulletin of the Illinois State Natural History Survey* **16**: 174, [U.S.A.] "Havana, Illinois, Chautauqua Park"]. — Distr.: **NE**: Canada (British Columbia, Manitoba, Northwest Territories, Ontario, Saskatchewan), U.S.A. (Alabama, Florida, Georgia, Illinois, Minnesota, Nebraska, New Mexico, North Carolina, Ohio, South Carolina, South Dakota, Tennessee); **PA**: Belarus, Denmark, France, Netherlands, Russia (CET, East Siberia, Far East).

basalis (MALLOCH, 1915): *Bulletin of the Illinois State Laboratory of Natural History* **10**: 519 (*Orthocladius* (*Trichocladius*); as var. of *distinctus* Malloch, 1915). Type-locality: [U.S.A.] "Havana, . . . of the Illinois River" [Lectotype designation in Frison, 1927: *Bulletin of the Illinois State Natural History Survey* **16**: 174, [U.S.A.] "Havana, Illinois, along shore of Illinois River"]. [**Note**]

incomptus SÆTHER, 1977: *Bulletin of the Fisheries Research Board of Canada* **196**: 43 (*Nanocladius* (*Nanocladius*)). Type-locality: [U.S.A.] "Little River Dam, Keowee Reservoir, Seneca, S.C., 34°42′N, 82°55′W" [S.C. = South Carolina]. — Distr.: **NE**: Canada (Ontario), U.S.A. (Georgia, Minnesota, North Carolina, Ohio, South Carolina).

jannae LEHMANN, 1979: *Spixiana Supplement* **3**: 27 (*Nanocladius* (*Nanocladius*)). Type-locality: [Democratic Republic of the Congo] "Kalengo, Kivu-Gebiet, Zaire"

[= Kalengo, Kivu region, Zaire]. — Distr.: **AF**: D.R.Congo, Ethiopia.

jintuquardecima (SASA, 1996): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996** (**December**): 65 (*Eukiefferiella*). Type-locality: [Japan] [p. 61, Introduction] "in Toyama Prefecture along the main stream of Jinzu River and its tributaries"; [p. 65] "at Station No. 6, Yawata". — Distr.: **PA**: Japan.

mallochi SUBLETTE, 1970: *Journal of the Kansas Entomological Society* **43**(1): 70 (*Nanocladius*; as nom. nov. for *Orthocladius distinctus* var. *bicolor* Malloch, 1915 nec *Chironomus bicolor* Zetterstedt, 1838). — Distr.: **NE**: U.S.A. (Illinois, Ohio).

bicolor (MALLOCH, 1915): *Bulletin of the Illinois State Laboratory of Natural History* **10**: 519 (*Orthocladius* (*Trichocladius*); as var. of *distinctus* Malloch, 1915). Type-locality: [U.S.A.] "St. Joseph, Ill." [Ill. = Illinois] [Lectotype designation in Frison, 1927: *Bulletin of the Illinois State Natural History Survey* **16**: 174, [U.S.A.] "St. Joseph, Illinois, along Salt Fork"]. **Preoccupied**. Junior secondary homonym of *Chironomus bicolor* Zetterstedt, 1838 – the latter is a junior synonym of *Nanocladius* (*Nanocladius*) *dichromus* (Kieffer, 1906).

minimus SÆTHER, 1977: *Bulletin of the Fisheries Research Board of Canada* **196**: 21 (*Nanocladius* (*Nanocladius*)). Type-locality: [U.S.A.] "Warpath Area receiving heated water from Oconee Nuclear Station, Keowee Reservoir, Seneca, S.C., 34°45′N, 82°55′W" [S.C. = South Carolina]. — Distr.: **NE**: U.S.A. (Alabama, Florida, Georgia, North Carolina, Ohio, South Carolina); **PA**: Russia (CET, Far East).

ortsi LEHMANN, 1979: *Spixiana Supplement* **3**: 29 (*Nanocladius* (*Nanocladius*)). Type-locality: [Democratic Republic of the Congo] "Kalengo, Kivu-Gebiet, Zaire" [= Kalengo, Kivu region, Zaire]. — Distr.: **AF**: D.R.Congo, Ethiopia.

oyaberadiata (SASA, KAWAI & UENO, 1988): *Research Report Toyama Prefectural Environmental Pollution Research Center* **1988**: 48 (*Eukiefferiella*). Type-locality: [Summary, p. 27] "Oyabe River Basin, western Toyama Prefecture . . .

Japan"; [p. 48] "at C-4" [= Futomibashi Bridge]. — Distr.: **PA**: Japan.

palpideminutus MAKARCHENKO & MAKARCHENKO in MAKARCHENKO, ZORINA, MAKARCHENKO & SERGEEVA, 2002: *Chteniya Pamyati Vladimira Yakovlevicha Levanidova* **1**: 157 (*Nanocladius*). Type-localities: [Russia] {Far East} **oz. Khanka v raione pos. Astrakhanka** [= Lake Khanka in the vicinity of the settlement of Astrakhanka]; **ust′e r. Komissarovka v raione pos. Troitskoe** [= mouth of the River Komissarovka in the vicinity of the settlement of Troitskoe]; **oz. Khanka, kordon «Vostochnyi» zapovednika «Khankaiskii»** [= Lake Khanka, «Vostochnyi» lodge, nature reserve «Khankaiskii»]. — Distr.: **PA**: Russia (Far East). [**Note**]

parvulus (KIEFFER, 1909): *Bulletin de la Société d'Histoire Naturelle de Metz* **26**: 45 (*Cricotopus*; as "*Parvulus*"). Type-locality: {Allemagne} [= Germany] "Glör, en Westphalie" [= Glör, in Westphalia] [Neotype designation in Fittkau & Lehmann, 1970: *Internationale Revue der gesamten Hydrobiologie und Hydrographie* **55**(3): 399, [Germany] "Glör"]. — Distr.: **NE**: U.S.A. (Ohio); **PA**: Austria, Bulgaria, Denmark, Finland, France, Germany, Luxembourg, Poland, Slovakia, Spain.

pubescens MAKARCHENKO & MAKARCHENKO, 2004: *Flora and fauna of Sakhalin Island*: 218 (*Nanocladius* (*Nanocladius*)). Type-locality: [Russia] **o-v Sakhalin, Smirnykhovskii r-n, r. Orlovka, v 25 km ot pos. Smirnykh v storony pos. Pil′vo** [= Sakhalin Island, Smirnykhovsky District, River Orlovka, 25 kilometres from the village of Smirnykh towards the village of Pil′vo]. — Distr.: **PA**: Russia (Far East).

rectinervis (KIEFFER, 1911): *Bulletin de la Société Entomologique de France* **1911**: 199 (*Cricotopus*). Type-locality: Not given ‖►Type-locality: [Introduction] "Allemagne" [= Germany] in Kieffer, 1911: *Bulletin de la Société Entomologique de France* **1911**: 181◄‖ ‖►Type-locality: [Germany, Westphalia] "Aus Bachmossen der Glör" [= From brook mosses in the Glör] in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für*

Wissenschaft und Kunst **40**: 75◄‖ [Neotype designation in Fittkau & Lehmann, 1970: *Internationale Revue der gesamten Hydrobiologie und Hydrographie* **55**(3): 397, [Germany] "Glör"]. — Distr.: **PA**: Andorra, Austria, Belgium, China (Gansu, Liaoning, Ningxia, Shandong), Corsica, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Ireland, Italy, Lebanon, Mongolia, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET), Sicily, Slovakia, Spain, Switzerland, Tunisia.

confluens (KIEFFER, 1921): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 91 (*Acricotopus*). Type-locality: [Poland] "Silésie" [= Silesia].

longicollis (KIEFFER, 1925): *Annales de la Société Scientifique de Bruxelles, 1re partie (Comptes Rendus)* **44**: 386 (*Cricotopus*). Type-locality: [Germany] "Holstein : larve dans un ruisseau" [= Holstein : larva in a stream] ‖►Type-locality: [Germany] "Holstein: Dersauer Mühlbach am Großen Plöner See" [= Holstein: Dersauer Mühlbach on the Großen Plöner See] in Thienemann & Harnisch, 1932: *Zoologischer Anzeiger* **99**(5/6): 142◄‖.

rivularis (ZVEREVA, 1950): *Entomologicheskoe Obozrenie* **31**(1/2): 272 (*Eukiefferiella*). Type-localities: [Russia, Northern European Territory] **Pechora, Vychegda** [= River Pechora, River Vychegda].

saetheri HARRISON, 1994: *Spixiana Supplement* **20**: 104 (*Nanocladius* (*Nanocladius*)). Type-locality: "Lake Awasa, Ethiopia". — Distr.: **AF**: Ethiopia, South Africa.

seiryufegeus (SASA, SUZUKI & SAKAI, 1999): *Tropical Medicine* **40**(3): 106 (*Eukiefferiella*). Type-locality: [Abstract, p. 99] "Shimanto River, western Shikoku Island, Japan"; [p. 106] "at the side of Shimanto River near its mouth in Nakamura". — Distr.: **PA**: Japan.

spiniplenus SÆTHER, 1977: *Bulletin of the Fisheries Research Board of Canada* **196**: 37 (*Nanocladius* (*Nanocladius*)). Type-locality: [Canada] "Green Creek, Ont." [Ont. = Ontario]. — Distr.: **NE**: Canada (New Brunswick, Ontario, Saskatchewan), U.S.A. (Alabama, Florida, Georgia, Kansas, Minnesota, North Carolina, Ohio, South Carolina); **PA**: Italy, Norway, Russia (Far East).

taiwanensis FU & WANG, 2009: *Zootaxa* **1985**: 47 (*Nanocladius* (*Nanocladius*)). Type-locality: [Taiwan] "CHINA: Taiwan Province: Taizhong County, 24°06'N, 120°24'E, 200–800 m a.s.l". — Distr.: **OR**: Taiwan.

tamabicolor SASA, 1981: *Research Report from the National Institute for Environmental Studies* **29**: 22 (*Nanocladius*). Type-localities: {Japan, Tama River} "Stations No. 4, 5 and 6 of the Minamiasakawa River". — Distr.: **PA**: Japan, Russia (Far East), South Korea.

seoulensis (REE & KIM, 1981): *Proceedings of the College of Natural Sciences, Seoul National University* **6**(1): 174 (*Microcricotopus*). Type-locality: [South Korea] "Ichon-dong, Seoul".

nojirinigra (SASA, 1991): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 85 (*Rheosmittia*). Type-locality: {Japan} [p. 82] "at the side of Lake Nojiri".

seiryudeeus SASA, SUZUKI & SAKAI, 1999: *Tropical Medicine* **40**(3): 104 (*Nanocladius*). Type-locality: [Abstract, p. 99] "Shimanto River, western Shikoku Island, Japan"; [p. 104] "in the city of Nakamura".

tokuokasia (SASA, 1989): SASA, 1989: *Research Report Toyama Prefectural Environmental Pollution Research Center* **1989**: 73 (*Eukiefferiella*). Type-locality: {Japan} "Naka River". — Distr.: **PA**: Japan.

pulcher KAWAI, 1991: *Japanese Journal of Limnology* **52**(3): 165 (*Nanocladius*). Type-locality: {Japan} "at Nakanokochi from Oyabe River (Toyama Pref.)".

quadrivittatus NIITSUMA, 1991: *Japanese Journal of Entomology* **59**(2): 349 (*Nanocladius*). Type-locality: {Japan} "Ihara River, Kamiisabu, Shimizu City, Shizuoka Prefecture".

trinus FU & WANG, 2009: *Zootaxa* **1985**: 49 (*Nanocladius* (*Nanocladius*). Type-locality: "CHINA: Sichuan Province: Ganzi State, Yajiang County, 31°38'N, 99°58'E, 2.000 m a.s.l.". — Distr.: **OR**: China (Sichuan).

vitellinus KIEFFER, 1913: *Résultats Scientifiques Voyage de Ch. Alluaud et R. Jeannel en Afrique Orientale (1911-1912) (Diptères)* **1**: 32 (*Nanocladius*). Type-locality:

[Tanzania] "Afrique Orientale Allemande : Kiléma, mission des Pères du St-Esprit, située dans la zone des cultures, sur le versant méridional du mont Kilimandjero, altitude de 1.440 m., . . . st. n° 67" [= German East Africa : Kiléma, Mission of the Fathers of the Holy Spirit, located in the cultivation zone, on the southern slope of Mount Kilimanjaro, altitude of 1,440 metres, . . . st. n° 67]. — Distr.: **AF**: D.R.Congo, Malawi, South Africa, Sudan, Tanzania, Uganda, Zimbabwe. [**Note**]

niveiplumus (FREEMAN, 1953): *Proceedings of the Royal Entomological Society* (Series B) **22**(11/12): 203 (*Eukiefferiella* (*Microcricotopus*)). Type-locality: [South Africa] "Berg River, Piquetberg".

sp. No. 1: TOKUNAGA, 1964: *Insects of Micronesia* **12**(5): 515 (*Nanocladius*). Locality: [Belau] "PALAU. Koror". — Distr.: **AU**: Belau.

sp.: (BRUNDIN, 1966): *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**(1): 431 (*Microcritopus*). Locality: [Argentina and Chile] [Fig. 632 legend] "Tierra del Fuego". — Distr.: **NT**: Argentina, Chile.

sp.: COFFMAN, YURASITS & DE LA ROSA, 1988: *Spixiana Supplement* **14**: 85 (*Nanocladius*). Locality: "South India". — Distr.: **OR**: India (Kerala or Tamil Nadu).

sp.: CRANSTON & MARTIN, 1989: *Catalog of the Diptera of the Australasian and Oceanic Regions*: 261 (*Nanocladius*). Locality: "Australia". — Distr.: **AU**: Australia (widespread).

sp.: CRANSTON & MARTIN, 1989: *Catalog of the Diptera of the Australasian and Oceanic Regions*: 261 (*Nanocladius*). Locality: "Micronesia". — Distr.: **OC**: Micronesia.

sp.: ASHE, 1990: *Insects and the rain forests of South East Asia (Wallacea)*: 267 (*Nanocladius* (*Nanocladius*)). Locality: {Indonesia} "Sulawesi". — Distr.: **OR**: Indonesia (Sulawesi).

sp.: OSPINA-TORRES, RISS & RUIZ, 1999: *Insectos de Colombia* II: 376, 380 (*Nanocladius*). Locality: {Colombia} "Sabana de Bogotá". — Distr.: **NT**:

Colombia. [**Note**]

sp. 1: HAASE & NOLTE, 2008: *Ecological Indicators* **8**(5): 607 (*Nanocladius*). Locality: [Title] "streams in southeast Queensland, Australia". — Distr.: **AU**: Australia (Queensland).

sp. 2: HAASE & NOLTE, 2008: *Ecological Indicators* **8**(5): 607 (*Nanocladius*). Locality: [Title] "streams in southeast Queensland, Australia". — Distr.: **AU**: Australia (Queensland).

Nomina dubia in NANOCLADIUS (NANOCLADIUS)

femoratus (STAEGER, 1839): *Naturhistorisk Tidsskrift* (1) **2**: 573 (*Chironomus*). Type-locality: [Title, p. 549] "Danmark" [= Denmark]; [p. 573] "Bornholm". [**Note**]

perexilis (WALKER, 1856): *Insecta Britannica Diptera* **3**: 191 (*Chironomus*). Type-locality: [Great Britain] "(E.)" [= England]. [**Note**]

Subgenus **PLECOPTERACOLUTHUS** STEFFAN

PLECOPTERACOLUTHUS STEFFAN, 1965: *Canadian Entomologist* **97**(12): 1330 (as genus). Type-species: *Plecopteracoluthus downesi* Steffan, 1965, by original designation.

asiaticus HAYASHI, 1998: *Aquatic Insects* **20**(4): 217 (*Nanocladius* (*Plecopteracoluthus*)). Type-locality: "Ichinose River, Mie Prefecture, Honshu, Japan". — Distr.: **PA**: Japan, Russia (Far East); **OR**: Malaysia, Taiwan, Thailand.

tusimobeceus (SASA & SUZUKI, 1999): *Tropical Medicine* **41**(2): 80 (*Paratrichocladius*). Type-locality: [Introduction, p. 75] "Tsushima Island . . . western Japan]; [p. 80] "Kunegawa".

branchicolus SÆTHER, 1977: *Bulletin of the Fisheries Research Board of Canada* **196**: 12 (*Nanocladius* (*Plecopteracoluthus*)). Type-locality: [Canada] "rapids in stream between MacDonald Lake and Lake 665, Experimental Lakes Area, Kenora, Ont. 49°38′N, 95°40′W" [Ont. = Ontario]. — Distr.: **NE**: Canada (Ontario, Saskatchewan), U.S.A. (Michigan, New York, North Carolina, Pennsylvania,

Wisconsin, Wyoming).

bubrachiatus EPLER, 1986: *Florida Entomologist* **69**(2): 320 (*Nanocladius* (*Plecopteracoluthus*)). Type-locality: "HONDURAS: Comayagua; Rio Humuya, 12 km NW Comayagua". — Distr.: **NT**: Belize, Honduras; **NE**: U.S.A. (Texas). [**Note**]

downesi (STEFFAN, 1965): *Canadian Entomologist* **97**(12): 1331 (*Plecopteracoluthus*). Type-locality: "Rivière des Loups, half way between Lac des Loups and Lac Lapêche, at both sides of the bridge on the southern road from St-Louis-de-Masham to Wolf Lake, Pontiac County; . . . northwest of the Gatineau Park, Quebec, Canada". — Distr.: **NE**: Canada (Ontario, Québec), U.S.A. (Georgia, Maryland, Michigan, Missouri, New Hampshire, New York, North Carolina, Ohio, Pennsylvania, South Carolina, Tennessee, Vermont, Wisconsin).

sp.: ROBACK & COFFMANN, 1987: *Proceedings of the Academy of Natural Sciences of Philadelphia* **139**(1): 114 (*Nanocladius* (*Plecopteracoluthus*)). Locality: {Nepal} "NP8" [= "Bhurungai Khola, waterfall above Tirkedhunze, . . . alt 1530 m."]. — Distr.: **OR**: Nepal.

sp.: GIBERSON, MACINNIS & BLANCHARD, 1996: *Journal of the North American Benthological Society* **15**(4): 530 (*Nanocladius* (*Plecopteracoluthus*)). Locality: "Catamaran Brook . . . a 3rd-order tributary of the Little Southwest Miramichi River in central New Brunswick, Canada". — Distr.: **NE**: Canada (New Brunswick).

sp.: PENNUTO, 1997: *Northeastern Naturalist* **4**(4): 288 (*Nanocladius* (*Plecopteracoluthus*)). Localities: [U.S.A.] "riffles in Cooks Brook (York County), . . . North Branch, and South Fork Little River (Cumberland County), Maine". — Distr.: **NE**: U.S.A. (Maine).

sp. 2: JACOBSEN, 1999: *Journal of the Kansas Entomological Society* **71**(3): 427 (*Nanocladius* (*Plecopteracoluthus*)). Locality: [U.S.A.] "Cave Creek near Idlewilde Campground, Coronado National Forest, approximately 2 miles west of Portal, Arizona, at an elevation of approximately 5000 feet". — Distr.: **NE**:

U.S.A. (Arizona).

sp.: DORVILLÉ, NESSIMIAN & SANSEVERINO, 2000: *Studies on Neotropical Fauna and Environment* **35**(2): 109 (*Nanocladius* (*Plecopteracoluthus*)). Locality: {Brazil.} "Rio da Fazenda (1st order stream), Parque Nacional da Tijuca, in the city of Rio de Janeiro". — Distr.: **NT**: Brazil.

sp.: CALLISTO & GOULART, 2000: *Anais da Sociedade Entomológica do Brasil* **29**(3): 607 (*Nanocladius* (*Plecopteracoluthus*)). Locality: "Brazil. . . . Indaiá stream at Serra do Cipó National Park (19º 12' - 34' S; 43º 27'- 38' W), a stream belonging to the headwaters of Doce River watershed at 1,430 m a.s.l.". — Distr.: **NT**: Brazil.

Genus **NAONELLA** BOOTHROYD

NAONELLA BOOTHROYD, 1994: *New Zealand Journal of Zoology* **21**(3): 309. Type-species: *Naonella forsythi* Boothroyd, 1994, by original designation.

forsythi BOOTHROYD, 1994: *New Zealand Journal of Zoology* **21**(3): 311 (*Naonella*). Type-locality: "Ohinemuri River, 37°23′S, 175°52′E, 100 m a.s.l., Waihi, North Island, New Zealand". — Distr.: **AU**: New Zealand (North Island).

kimihia BOOTHROYD, 2005: *New Zealand Entomologist* **27**(3): 12 (*Naonella*). Type-locality: "Lake Kimihia, Waikato (64058'S, 27039'E), < 20 m a.s.l., NI, New Zealand". — Distr.: **AU**: New Zealand (North Island).

Genus **NASUTICLADIUS** FREEMAN

NASUTICLADIUS FREEMAN, 1961: *Australian Journal of Zoology* **9**(4): 650. Type-species: *Nasuticladius tonnoiri* Freeman, 1961, by original designation.

ater FREEMAN, 1961: *Australian Journal of Zoology* **9**(4): 651 (*Nasuticladius*). Type-locality: {Australia} "Eaglehawk Neck, Tas." [Tas. = Tasmania]. — Distr.: **AU**: Australia (Tasmania).

equalis SINHARAY & CHAUDHURI, 1985: *Journal of the Bengal Natural History Society* (New Series) **3**(1): 57 (*Nasuticladius*). Type-locality: {India} "West Bengal,

Raniganj". — Distr.: **OR**: India (West Bengal). [**Note**]

lanceolatus SINHARAY & CHAUDHURI, 1985: *Journal of the Bengal Natural History Society* (New Series) **3**(1): 58 (*Nasuticladius*). Type-locality: {India} "West Bengal, Raniganj". — Distr.: **OR**: India (West Bengal). [**Note**]

niger FREEMAN, 1961: *Australian Journal of Zoology* **9**(4): 651 (*Nasuticladius*). Type-locality: {Australia} "Eaglehawk Neck, Tas." [Tas. = Tasmania]. — Distr.: **AU**: Australia (Tasmania).

tonnoiri FREEMAN, 1961: *Australian Journal of Zoology* **9**(4): 650 (*Nasuticladius*). Type-locality: {Australia} "Advent Bay, Tas." [Tas. = Tasmania]. — Distr.: **AU**: Australia (Tasmania).

wilsoni FREEMAN, 1961: *Australian Journal of Zoology* **9**(4): 654 (*Nasuticladius*). Type-locality: {Australia} "Walhalla, Vic." [Vic. = Victoria]. — Distr.: **AU**: Australia (Victoria).

wirthi FREEMAN, 1961: *Australian Journal of Zoology* **9**(4): 651 (*Nasuticladius*). Type-locality: {Australia} "Colo Vale, N.S.W." [N.S.W. = New South Wales]. — Distr.: **AU**: Australia (New South Wales).

Genus **NEOBRILLIA** KAWAI

NEOBRILLIA KAWAI, 1991: *Japanese Journal of Limnology* **52**(3): 162. Type-species: *Neobrillia longistyla* Kawai, 1991, by original designation.

PSEUDOBRILLIA NIITSUMA, 1991: *Japanese Journal of Entomology* **59**(4): 707. Type-species: *Pseudobrillia komorii* Niitsuma, 1991, by original designation. Synonymized with *Neobrillia* Kawai, 1991, by Kobayashi (1994: *Japanese Journal of Entomology* **62**(4): 746).

longistyla KAWAI, 1991: *Japanese Journal of Limnology* **52**(3): 162 (*Neobrillia*). Type-locality: {Japan} "a small tributary to Lake Okutama (Tokyo Metrop.)". — Distr.: **PA**: Japan; **OR**: China (Hainan).

komorii (NIITSUMA, 1991): *Japanese Journal of Entomology* **59**(4): 709 (*Pseudobrillia*). Type-locality: {Japan} "a small stream in Miage, Ichikai,

Tochigi Pref.".

gotobecea (SASA & SUZUKI, 2001): *Tropical Medicine* **42**(3/4): 144 (*Pseudosmittia*). Type-locality: {Goto Islands, Western Japan} "Wani River".

raikoprima KIKUCHI & SASA, 1994: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1994**: 117 (*Neobrillia*). Type-locality: {Japan} [p. 116] "at the side of a fountain stream running into an upstream site of the Raiko River in Kannami, Shizuoka Prefecture". — Distr.: **PA**: Japan.

Genus **NESIOCLADIUS** SUBLETTE & WIRTH

NESIOCLADIUS SUBLETTE & WIRTH, 1980: *New Zealand Journal of Zoology* **7**: 323. Type-species: *Nesiocladius gressitti* Sublette & Wirth, 1980, by original designation.

gressitti SUBLETTE & WIRTH, 1980: *New Zealand Journal of Zoology* **7**: 323 (*Nesiocladius*). Type-locality: {New Zealand) "Aukland Is, French I., 1-5 m". — Distr.: **AU**: New Zealand (Auckland Islands).

Genus **NINELIA** MAKARCHENKO & MAKARCHENKO

NINELIA MAKARCHENKO & MAKARCHENKO, 2004: *Evraziatskii Entomologicheskii Zhurnal* **3**(4): 307. Type-species: *Smittia proboscidea* Makarchenko & Makarchenko, 2003, by original designation.

proboscidea (MAKARCHENKO & MAKARCHENKO, 2003): *Evraziatskii Entomologicheskii Zhurnal* **2**(3): 215 (*Smittia*). Type-locality: **Rossiya, Primorskii kr., Khasanskii r-n, bassein r. Barabashevka, ruchei Izvestkovyi v r-ne rybovodnogo zavoda** [= Russia, Primorsky Krai, Khasansky District, basin of the River Barabashevka, Izvestkovyi brook in the vicinity of the fish rearing enterprise]. — Distr.: **PA**: Russia (Far East).

sp. B: (SÆTHER, 1982): *Entomologica Scandinavica* **13**(4): 486 (Orthocladiinae). Locality: {U.S.A.} "Seneca Crk., Hwy. 123, Seneca, South Carolina". — Distr.: **NE**: U.S.A. (Georgia, South Carolina).

Genus **NOTOCLADIUS** HARRISON

NOTOCLADIUS HARRISON, 1997: *Annals of the Cape Provincial Museums (Natural History)* **19**(8): 376. Type-species: *Notocladius capicola* Harrison, 1997, by original designation.

capicola HARRISON, 1997: *Annals of the Cape Provincial Museums (Natural History)* **19**(8): 377 (*Notocladius*). Type-localities: {South Africa, Western Cape Province} "Elands River (33°44′S, 19°06′S)" [error, 19°06′S = 19°06′E]; "in the mountain zone of the Riviersonderend (34°03′S, 19°04′E)"; "in the Elandsrivers, the Dutoitskloof (33°56′S, 19°10′E), the Molenaars (33°43′S, 19°10′E) in the Dutoitskloof Mountains". — Distr.: **AF**: South Africa.

Genus **OKAYAMAYUSURIKA** SASA

OKAYAMAYUSURIKA SASA, 1989: *Research Report from the National Institute for Environmental Studies* **125**: 147. Type-species: *Okayamayusurika kojimaspinosa* Sasa, 1989, by original designation.

kojimaspinosa SASA, 1989: *Research Report from the National Institute for Environmental Studies* **125**: 147 (*Okayamayusurika*). Type-locality: {Japan} "on the shore of highly eutrophicated lake, Kojimako (Okayama)". — Distr.: **PA**: Japan.

Genus **OLEIA** ANDERSEN & MENDES

OLEIA ANDERSEN & MENDES, 2007, *Contributions to the Systematics and Ecology of Aquatic Diptera*: 18. Type-species: *Oleia hamata* Andersen & Mendes, 2007, by original designation.

amazonica ANDERSEN & MENDES, 2007: *Contributions to the Systematics and Ecology of Aquatic Diptera*: 29 (*Oleia*). Type-locality: "BRAZIL: Amazonas State, Manaus . . . 2°25' S 60° W, 80-110 m a.s.l.". — Distr.: **NT**: Brazil.

bipartita ANDERSEN & MENDES, 2007: *Contributions to the Systematics and Ecology of Aquatic Diptera*: 25 (*Oleia*). Type-locality: "BRAZIL: Santa Catarine State, São Bento do Sul, 26°19'25.6" S 48°18'26.5" W, 660 m a.s.l.". — Distr.: **NT**:

Brazil.

boraceia ANDERSEN & MENDES, 2007: *Contributions to the Systematics and Ecology of Aquatic Diptera*: 23 (*Oleia*). Type-locality: "BRAZIL: São Paulo State, Salesópolis, Estação Biológica Boracéia, second bridge across Rio Claro". — Distr.: **NT**: Brazil.

camura ANDERSEN & MENDES, 2007: *Contributions to the Systematics and Ecology of Aquatic Diptera*: 27 (*Oleia*). Type-locality: "BRAZIL: Santa Catarina State, Florianópolis, Unidade de Conservação Desterro (UCAD), 27°31'50.8" S 48°30'44.3" W, close to stream". — Distr.: **NT**: Brazil.

hamata ANDERSEN & MENDES, 2007: *Contributions to the Systematics and Ecology of Aquatic Diptera*: 20 (*Oleia*). Type-locality: "BRAZIL: Santa Catarina State, Florianópolis, Unidade de Conservação Desterro (UCAD), 27°31'50.8" S 48°30'44.3" W, close to stream". — Distr.: **NT**: Brazil.

spinosa ANDERSEN & MENDES, 2007: *Contributions to the Systematics and Ecology of Aquatic Diptera*: 27 (*Oleia*). Type-locality: "BRAZIL: Amazonas State, Distrito Agropecuário, Manaus . . . 2°25' S 60° W, 80-110 m a.s.l.". — Distr.: **NT**: Brazil.

ultima ANDERSEN & MENDES, 2007: *Contributions to the Systematics and Ecology of Aquatic Diptera*: 31 (*Oleia*). Type-locality: "BRAZIL: Rio de Janeiro State, Visconde de Mauá, Pedra Selada, cloud forest". — Distr.: **NT**: Brazil.

Genus **OLIVEIRIELLA** WIEDENBRUG & FITTKAU

OLIVEIRIELLA WIEDENBRUG & FITTKAU, 1997: *Spixiana* **20**(2): 167. Type-species: *Spaniotoma* (*Stictocladius*) *almeidai* Oliveira, 1946, by original designation.

almeidai (OLIVEIRA, 1946): *Papéis Avulsos do Departmento de Zoologia, Secretaria da Agricultura, São Paulo* No. **31**: 279 (*Spaniotoma* (*Stictocladius*)). Type-locality: "Itatiaia, Estado do Rio de Janeiro, Brasil". — Distr.: **NT**: Argentina, Brazil, Ecuador, Peru.

sanjavieri TEJERINA & PAGGI, 2009: *Aquatic Insects* **31**(2): 92 (*Oliveiriella*). Type-

locality: "ARGENTINA, Tucumán, Valle de La Sala, San Javier stream, 26° 46'S, 65° 23' W. 860 m a.s.l.". — Distr.: **NT**: Argentina.

sp.: (ROBACK & COFFMAN, 1983): *Proceedings of the Academy of Natural Sciences of Philadelphia* **135**: 48 ("Genus 5"). Localities: "VENEZUELA: VEN 5" [p. 11 = "Stream at bridge ca 1.6 km W of Santo Domingo along Barinas-Merida highway, alt. 1920 m"]; "VEN 6" [p. 11 = "Stream (third order) at bridge W of Santo Domingo along Barinas-Merida highway, alt. 3230 m"]; "VEN 8" [p. 11 = "Santo Domingo River near elementary school "El Baho" along Barinas-Merida highway, alt. 2490 m"]; "VEN 9" [p. 11 = "Santo Domingo River at highway bridge along Barinas-Merida highway, alt. 2620 m"]. — Distr.: **NT**: Venezuela. [**Note**]

sp.: KRESTIAN, KOSNICKI, SPINDLER, STRINGER & EPLER, 2010: *Entomological News* **120**(4): 350 (*Oliveiriella*). Localities: {U.S.A.} "Gila River in New Mexico"; "Cherry Creek (Salt River drainage) in Arizona". — Distr.: **NE**: U.S.A. (Arizona, New Mexico).

Genus **OLIVERIDIA** SÆTHER

OLIVERIDIA SÆTHER, 1980: *Entomologica Scandinavica* **11**(4): 399 (as new name for *Oliveria* Sæther, 1976 *nec Oliveria* Sutherland, 1965). Type-species: *Trissocladius tricornis* Oliver, 1976, by original designation.

OLIVERIA SÆTHER, 1976: *Bulletin of the Fisheries Research Board of Canada* **195**: 48. Type-species: *Trissocladius tricornis* Oliver, 1976, by original designation. **Preoccupied**. Junior homonym of *Oliveria* Sutherland, 1965.

hugginsi FERRINGTON & SÆTHER, 1987: *Journal of the Kansas Entomological Society* **60**(3): 452 (*Oliveridia*). Type-locality: "U.S.A. . . . Big Caney River, 2.0 miles west of Elgin, Chautauqua Co., Kansas". — Distr.: **NE**: U.S.A. (Kansas).

tricornis (OLIVER, 1976): *Canadian Entomologist* **108**(10): 1055 (*Trissocladius*). Type-locality: [Canada, Nunavut] "Char L., Cornwallis I., N.W.T." [N.W.T. = Northwest Territories; type-locality now in Nunavut Province]. — Distr.: **NE**:

Canada (Nunavut), Greenland; **PA**: Iceland, Novaya Zemlya, Russia (East Siberia, Far East), Spitzbergen, Sweden.

sp.: SÆTHER, 1980: *Entomologica Scandinavica* **11**(4): 400 (*Oliveridia*). Locality: "Lake Rødlivann, Hordaland, Western Norway". — Distr.: **PA**: Norway.

Genus **ONCONEURA** ANDERSEN & SÆTHER

ONCONEURA ANDERSEN & SÆTHER, 2005: *Zootaxa* **957**: 2. Type-species: *Onconeura undecimata* Andersen & Sæther, 2005, by original designation.

cascatinha WIEDENBRUG, MENDES, PEPINELLI & TRIVINHO-STRIXINHO, 2009: *Zootaxa* **2265**: 3 (*Onconeura*). Type-locality: "BRAZIL, Rio de Janeiro State, Nova Friburgo, Caledônia, Rio Cascatinha (above dam), 2nd order stream, 1470 m a.s.l.". — Distr.: **NT**: Brazil.

desertica (PAGGI, 1985): *Neotropica* **31**(85): 49 (*Thienemanniella*). Type-locality: {Argentina} "Embalse Arroyito, Neuquén". — Distr.: **NT**: Argentina.

japi WIEDENBRUG, MENDES, PEPINELLI & TRIVINHO-STRIXINHO, 2009: *Zootaxa* **2265**: 5 (*Onconeura*). Type-locality: "BRAZIL, São Paulo State, Jundiaí, Serra do Japi, Cachoeira Pequena do Paraíso, 23°14′38′′S, 06°57′02′′W, 1058 m a.s.l.". — Distr.: **NT**: Brazil.

oncovolsella WIEDENBRUG, MENDES, PEPINELLI & TRIVINHO-STRIXINHO, 2009: *Zootaxa* **2265**: 9 (*Onconeura*). Type-locality: "BRAZIL, São Paulo State, Ubatuba, Sertão da Quina, Sítio Santa Cruz, Cachoeira do Engenho, 23°31.068′S, 45°14.845′W, 23 m a.s.l.". — Distr.: **NT**: Brazil.

semifimbriata (SÆTHER, 1981): *Entomologica Scandinavica Supplement* **16**: 32 (*Thienemanniella*). Type-locality: "213 m a.s.l., main river bed at hydroweir, Colonarie River, St. Vincent. — Distr.: **NT**: Costa Rica, Guatemala, St. Vincent; **NE**: Mexico (Nuevo León), U.S.A. (Arizona, New Mexico).

similispina WIEDENBRUG, MENDES, PEPINELLI & TRIVINHO-STRIXINHO, 2009: *Zootaxa* **2265**: 14 (*Onconeura*). Type-locality: "BRAZIL, São Paulo, Ubatuba, Sertão da Quina, Cachoeira da Renata upstream, 23°30.789′S, 45°14.442′W, 61

m a.s.l.". — Distr.: **NT**: Brazil.

undecimata ANDERSEN & SÆTHER, 2005: *Zootaxa* **957**: 7 (*Onconeura*). Type--locality: "Chile: Region VI, Rio Mataquito west of Curico, 34°59.393'S, 71°25.913W, 150 m a.s.l.". — Distr.: **NT**: Chile.

sp. "*buriti*": WIEDENBRUG, MENDES, PEPINELLI & TRIVINHO-STRIXINHO, 2009: *Zootaxa* **2265**: 18 (*Onconeura*). Locality: "BRAZIL, Mato Grosso State, Nova Mutum, Fazenda Buriti, 150–250 m a.s.l.". — Distr.: **NT**: Brazil.

sp. "ET157": WIEDENBRUG, MENDES, PEPINELLI & TRIVINHO-STRIXINHO, 2009: *Zootaxa* **2265**: 20 (*Onconeura*). Localities: "BRAZIL, Amazonas, Manaus, Reserva Duke, A174-3- Igarapé Barro Branco (BB1)"; "BRAZIL, Amazonas, Manaus, Reserva Duke, . . . A193- Igarapé Acará below waterfall I (A3)"; "BRAZIL, Amazonas, Manaus, Reserva Duke, . . . A194 - small river of Igarapé Acará (A4)". — Distr.: **NT**: Brazil.

sp. "hat": WIEDENBRUG, MENDES, PEPINELLI & TRIVINHO-STRIXINHO, 2009: *Zootaxa* **2265**: 20 (*Onconeura*). Locality: "BRAZIL, Rio de Grande do Sul State, São Francisco de Paula, Arroio dos Carros 800–900 m a.s.l.". — Distr.: **NT**: Brazil.

sp. "taquara": WIEDENBRUG, MENDES, PEPINELLI & TRIVINHO-STRIXINHO, 2009: *Zootaxa* **2265**: 21 (*Onconeura*). Locality: "BRAZIL, Rio de Grande do Sul State, Taquara, Waterfall about 8 km from Taquara near the road in direction to Arroio Grande, 150 m a.s.l.". — Distr.: **NT**: Brazil.

Genus **OREADOMYIA** KEVAN & CUTTEN-ALI-KHAN

OREADOMYIA KEVAN & CUTTEN-ALI-KHAN, 1975: *Canadian Journal of Zoology* **53**(6): 856. Type-species: *Oreadomyia albertae* Kevan & Cutten-Ali-Khan, 1975, by original designation.

albertae KEVAN & CUTTEN-ALI-KHAN, 1975: *Canadian Journal of Zoology* **53**(6): 856 (*Oreadomyia*). Type-locality: "CAN[ADA], AL[BER]TA, Jasper N[ational] P[ark], Bald Hills [near Maligne Lake], elev. 7200′ [ca. 2200 m], 52°43′ N,

117°41′ W". — Distr.: **NE**: Canada (Alberta). [**Note**]

Genus **ORTHOCLADIUS** WULP

ORTHOCLADIUS WULP, 1874: *Tijdschrift voor Entomologie* **16**: LXX, LXXI. Type-species: *Chironomus oblidens* Walker, 1856, by subsequent designation of Opinion 2206 by the International Commission on Zoological Nomenclature (2008: *Bulletin of Zoological Nomenclature* **65**(3): 229). Senior homonym of *Orthocladius* Wulp, 1875 (below). [**Note**]

ORTHOCLADIUS WULP, 1875: *Tijdschrift voor Entomologie* **17**(5): 132. Type-species: *Chironomus oblidens* Walker, 1856, by subsequent designation of Opinion 2206 by the International Commission on Zoological Nomenclature (2008: *Bulletin of Zoological Nomenclature* **65**(3): 229). **Preoccupied**. Junior homonym of *Orthocladius* Wulp, 1874 (above).

RHEORTHOCLADIUS THIENEMANN, 1935: *Stettiner Entomologische Zeitung* **96**(2): 205. Type-species: *Orthocladius saxicola* Kieffer, 1911 [= *Chironomus rubicundus* Meigen, 1818], by original designation. Synonymized with *Orthocladius* Wulp, 1874, by Brundin (1956: *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 97).

LAPPORTHOCLADIUS THIENEMANN in THIENEMANN & KRÜGER, 1937: *Zoologischer Anzeiger* **117**(11/12): 266. Type-species: *Orthocladius abiskoensis* Thienemann & Krüger, by original designation. Synonymized with *Orthocladius* Wulp, 1874, by Brundin (1956: *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 93).

EUDACTYLOCLADIUS THIENEMANN, 1935: see below as subgenus.

EUORTHOCLADIUS THIENEMANN, 1935: see below as subgenus.

MESORTHOCLADIUS SÆTHER, 2005: see below as subgenus.

ORTHOCLADIUS WULP, 1874: see below as subgenus.

POGONOCLADIUS BRUNDIN, 1956: see below as subgenus.

SYMPOSIOCLADIUS CRANSTON, 1982: see below as subgenus.

Subgenus **EUDACTYLOCLADIUS** THIENEMANN

EUDACTYLOCLADIUS THIENEMANN, 1935: *Stettiner Entomologische Zeitung* **96**(2): 206 (as genus). Type-species: *Dactylocladius fuscimanus* Kieffer, 1908, by original designation.

almskari SÆTHER in SPIES & SÆTHER, 2004: *Zootaxa* **752**: 24 (*Orthocladius* (*Eudactylocladius*); as nom. nov. for *Orthocladius* (*Eudactylocladius*) *schnelli* Sæther, 2004 nec *Orthocladius* (*Symposiocladius*) *schnelli* Sæther, 2004). — Distr.: **PA**: Spitzbergen.

schnelli SÆTHER, 2004: *Zootaxa* **508**: 7 (*Orthocladius* (*Eudactylocladius*)). Type-locality: "NORWAY: Svalbard, Spitzbergen, Vasa Peninsula, Lake Birgervatnet, 79° 48'N, 11° 37'E": **Preoccupied**. Junior primary homonym of *Orthocladius* (*Symposiocladius*) *schnelli* Sæther, 2004.

androgynus BHATTACHARYAY, ALI & CHAUDHURI, 1991: *Beiträge zur Entomologie* **41**(2): 338 (*Orthocladius* (*Eudactylocladius*)). Type-locality: "India, West Bengal, Mungpoo". — Distr.: **OR**: India (West Bengal).

biwaniger SASA & NISHINO, 1995: *Japanese Journal of Sanitary Zoology* **46**(1): 2 (*Orthocladius*). Type-locality: {Japan} [Abstract, p. 1] "on the shore of Lake Biwa at Uchidehama, Ohtsu City". — Distr.: **PA**: Japan.

brevipennis CHAUDHURI & GHOSH, 1982: *Annales Zoologici (Warszawa)* **36**(25): 492 (*Orthocladius* (*Eudactylocladius*)). Type-locality: [India, West Bengal] "Darjeeling, 2016 m above sea level". — Distr.: **OR**: India (West Bengal).

brevis KONG, SÆTHER & WANG, 2012: *Zootaxa* **3341**: 46 (*Orthocladius* (*Eudactylocladius*). Type-locality: "CHINA: Yunnan Province (subtropical area), Dali City, Diancang Mountain, Qingbi Stream". — Distr.: **OR**: China (Yunnan).

dubitatus JOHANNSEN, 1942: *Entomological News* **53**(3): 72 (*Orthocladius* (*Dactylocladius*)). Type-locality: [U.S.A.] "Ithaca, New York". — Distr.: **NE**: Canada (Alberta, British Columbia, Manitoba, Ontario), U.S.A. (Alabama, Alaska, Arizona, California, Colorado, Florida, Georgia, Maine, New Mexico,

New York, North Carolina, Ohio, Oregon, Pennsylvania, South Carolina, Washington); **PA**: Russia (Far East).

fengensis KONG, SÆTHER & WANG, 2012: *Zootaxa* **3341**: 48 (*Orthocladius* (*Eudactylocladius*). Type-locality: "CHINA: Shannxi Province (subtropical mountain area), Feng County, Shuangshipu Town" [error, Shannxi = Shaanxi]. — Distr.: **PA**: China (Shaanxi).

fuscimanus (KIEFFER in KIEFFER & THIENEMANN, 1908): *Zeitschrift für Wissenschaftliche Insektenbiologie* **4**: 37 (*Dactylocladius*). Type-locality: [Germany] "Insel Rügen" [= island of Rügen] ‖►Type-locality: [Germany] "Etwa 800m. S.O. von Königstuhl auf Rügen" [= About 800 metres S.E. of Königstuhl on Rügen] in Kieffer & Thienemann, 1908: *Zeitschrift für Wissenschaftliche Insektenbiologie* **4**: 257◄‖ [Neotype designated in Cranston, 1985: *Journal of Natural History* **18**(6): 883-884, [Germany] "Rügen"]. — Distr.: **PA**: Algeria, Austria, Azores, Balearic Islands, Belgium, Bulgaria, Canary Islands, Corsica, Czech Republic, Faroe Islands, Finland, France, Germany, Great Britain, Greece, Hungary, Iceland, Ireland, Italy, Lebanon, Madeira, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET), Slovakia, Spain, Sweden, Switzerland, Tunisia.

hygropetricus KIEFFER, 1911: *Bulletin de la Société Entomologique de France* **1911**: 181 (*Orthocladius*). Type-locality: [Introduction] "Allemagne" [= Germany] ‖►Type-localities: [Germany] "an der Glör- und Fülbeckesperre" [= at the Glör- and Fülbeck Dam]; "Wasserfall im Elspetal" [= Waterfall in Elspetal] in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 75◄‖.

adauctus (KIEFFER, 1911): *Bulletin de la Société Entomologique de France* **1911**: 183 (*Dactylocladius*). Type-locality: [Introduction] "Allemagne" [= Germany] ‖►Type-locality: [Germany] "Im Sturzbecken des Überfalls der Hennetalsperre bei Meschede" [= In the plunge pool of the overflow of the Henne Dam at Meschede] in Thienemann, 1912: *Jahresbericht des*

Westfälischen Provincial-Vereins für Wissenschaft und Kunstr **40**: 79◄‖ [Neotype designated in Cranston, 1985: *Journal of Natural History* **18**(6): 884, [Germany] "Hennetalsperre"] [= Henne Dam].

fuscitarsis (KIEFFER, 1911): *Bulletin de la Société Entomologique de France* **1911**: 184 (*Dactylocladius*). Type-locality: [Introduction] "Allemagne" [= Germany] ‖►Type-locality: [Germany] "Überlaufs der Hennetalsperre" [= overflow of the Henne Dam] in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 79◄‖.

indivisus KIEFFER in KIEFFER & THIENEMANN, 1916: *Archiv für Hydrobiologie Supplement* **2**(3): 517 (*Orthocladius* (*Dactylocladius*)). Type-locality: {Sweden} "Am gleichen Ort wie vorige" [= from the same place as the previous species], i.e. "Paalsjö-Strand-Källa" [= in the Pålsjö beach spring].

fontium (KIEFFER, 1924): *Annales de la Société Scientifique de Bruxelles, 1re partie (Comptes Rendus)* **44**: 83 (*Dactylocladius*). Type-locality: "Suède : source Palsjo" [= Sweden : Pålsjö spring] [Neotype designated in Cranston, 1985: *Journal of Natural History* **18**(6): 886, [Sweden] "Pålsjö: Strandquelle" [= Pålsjö: beach spring] [**Note**]

? *pectinatus* (KIEFFER in KIEFFER & THIENEMANN, 1908): *Zeitschrift für Wissenschaftliche Insektenbiologie* **4**: 34 (*Dactylocladius*). Type-locality: [Germany] "Insel Rügen" [= island of Rügen]. **Questionable synonym**.

? *nivicola* KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 66 (*Orthocladius*). Type-localities: [Germany] "Todtmoos, dans la Forêt-Noire : . . . au bords du torrent de la Wehra et le long de la route de Murgtal" [= Todtmoos, in the Black Forest : . . . on the banks of the Wehra stream and along the road from Murgtal]; "aux bords de la Wehra" [= on the banks of the Wehra]. **Questionable synonym**.

? *obtexens* BRUNDIN, 1956: *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 98 (*Orthocladius* (*Eudactylocladius*)). Type-localities: "Torneträskgebiet in Schwed.-Lappland, . . . am Ufer des Katterjaure und des

Vassijaure" [= Torneträsk region in Swedish Lapland, . . . on the banks of the Katterjaure and the Vassijaure]. **Questionable synonym**.

gelidorum (KIEFFER, 1923): *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **9**: 6 (*Dactylocladius*). Type-locality: [Russia] {Nouvelle-Zemble} "Serebryanka Fjord" [Lectotype designated in Cranston, 1999: *Journal of the Kansas Entomological Society* **71**(3): 287-288, "RUSSIA: Novaj. Semlja Sölvbügte Nordöen [Novaja Semlya, Serebryanka Fjord]"]. — Distr.: **NE**: Canada (Manitoba, New Brunswick, Northwest Territories, Nunavut), Greenland; **PA**: **?**Faroe Islands, Finland, **?**France, **?**Germany, **?**Italy, Norway, Novaya Zemlya, **?**Romania, Russia (Far East), **?**Spitzbergen, Sweden, **?**Switzerland.

nanseni KIEFFER, 1926: *Norsk Entomologisk Tidsskrift* **2**: 84 (*Orthocladius*; as "*Nanseni*"). Type-locality: Not given ‖►Type-locality: "NW Greenland: Reindeer Point" in Sæther, Sublette & Willassen, 1984: *Entomologica Scandinavica* **15**(2): 259◄‖.

gelidus KIEFFER, 1922: *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **2**: 13 (*Orthocladius*). Type-localities: [Russia] {Nouvelle-Zemble} "Ile occidentale de Gorboff (Ile Berkh) [= Island west of Gorboff (Berek Island)]"; "Baie Sol, Mashigin Fjord"; "Baie Srsaumsnes, Mashigin Fjord" [error, Srsaumsnes = Straumsnes]; "Zivolka Fjord"; "Gribovii Fjord" [Lectotype designated in Cranston, 1999: *Journal of the Kansas Entomological Society* **71**(3): 289, [Russia] "Novaja Semlya, Berek (Briska) öe [Ile occidentale de Gorboff (Ile Berkh)]" [= Novaya Zemlya, Berek (Briska) Island [Island west of Gorboff (Berek Island)]. — Distr.: **NE**: Canada (Nunavut), Greenland, U.S.A. (Alaska, Montana, Wyoming); **PA**: Finland, Great Britain, Italy, Norway, Novaya Zemlya, Russia (Far East), Spitzbergen, Sweden.

longiseta KIEFFER, 1923: *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **9**: 6 (*Dactylocladius*). Type-locality: [Russia] {Nouvelle-Zemble} "Presqu'île Pankratyeff" [= Pankratyeff Peninsula].

grampianus (EDWARDS, 1933): *Scottish Naturalist* **201**: 89 (*Spaniotoma* (*Orthocladius*)). Type-localities: [Great Britain] "Ben More, 2800 feet"; "Ben Alder".

intectus KONG, SÆTHER & WANG, 2012: *Zootaxa* **3341**: 49 (*Orthocladius* (*Eudactylocladius*). Type-locality: "CHINA: Sichuan Province, Luding County (subtropical mountain area)". — Distr.: **OR**: China (Sichuan).

musester SÆTHER, 2004: *Zootaxa* **508**: 9 (*Orthocladius* (*Eudactylocladius*)). Type-locality: "NORWAY: Hordaland, Bergen, Museum of Zoology, on the window of the preparation room". — Distr.: **PA**: Finland, Norway; **OR**: China (Hubei).

nigronotus CHAUDHURI & GHOSH, 1982: *Annales Zoologici (Warszawa)* **36**(25): 493 (*Orthocladius* (*Eudactylocladius*)). Type-locality: [India, Sikkim] "Gangtok, 2012 m above sea level". — Distr.: **OR**: India (Sikkim).

nudus CHAUDHURI & GHOSH, 1982: *Annales Zoologici (Warszawa)* **36**(25): 495 (*Orthocladius* (*Eudactylocladius*)). Type-locality: [India, Sikkim] "Gangtok, 2012 m above sea level". — Distr.: **OR**: India (Sikkim).

olivaceus (KIEFFER, 1911): *Bulletin de la Société Entomologique de France* **1911**: 183 (*Dactylocladius*). Type-locality: [Introduction] "Allemagne" [= Germany] ‖►Type-locality: [Germany, Saarland] "auf Steinen eines Zuflusses der Versetalsperre" [= on stones on an inflow to the Verse Dam] in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 79◄‖. — Distr.: **NE**: Canada (Yukon Territory), U.S.A. (Alaska, Wyoming); **PA**: Albania, Austria, Bulgaria, Denmark, Finland, Germany, Great Britain, Hungary, Ireland, Italy, Macedonia, Mongolia, Netherlands, Norway, Poland, Romania, Russia (NET, Far East), Slovakia, Switzerland, Turkey.

vagans (THIENEMANN, 1950): *Archiv für Hydrobiologie Supplement* **18**(1): 132 (*Eudactylocladius*). Localities: [Austria] {Lunzer Seengebiet} [= Lunz lake district] "Mittersees: Steine im flachen Wasser nahe dem Ausfluß" [= 'Middle Lake': Stones in shallow water near the outflow]; "Seebach";"Lochbach". Name not made available - not accompanied by a description contrary to Article 13.1

of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**. [**Note**]

priomixtus SÆTHER, 2004: *Zootaxa* **508**: 2 (*Orthocladius* (*Eudactylocladius*)). Type-locality: "NORWAY: Hordaland, Evanger, Ekse". — Distr.: **PA**: China (Gansu), **?**Faroe Islands, Finland, **?**France, **?**Germany, **?**Iceland, **?**Italy, Norway, **?**Novaya Zemlya, **?**Romania, **?**Spitzbergen, **?**Sweden, **?**Switzerland.

subletteorum CRANSTON, 1999: *Journal of the Kansas Entomological Society* **71**(3): 291 (*Orthocladius* (*Eudactylocladius*)). Type-locality: "CANADA: N.W.T., District of Franklin, Ellesmere Island, Hazen Camp, 81°49'N, 71°18'W" [N.W.T. = Northwest Territories; type-locality now in Nunavut Province]. — Distr.: **NE**: Canada (Manitoba, Northwest Territories, Nunavut, Yukon Territory), Greenland; **PA**: Iceland, Russia (Far East); **OR**: China (Sichuan).

sp.: REISS, 1968: *Khumbu Himal* **3**: 56 (*Orthocladius* (*Eudactylocladius*)). Locality: [Title] "Nepal". — Distr.: **OR**: Nepal.

sp.: WILLASSEN & CRANSTON, 1986: *Zoological Journal of the Linnean Society* **87**(2): 103 (*Orthocladius* (*Eudactylocladius*)). Locality: [Kenya] "Mount Kenya . . . Liki North stream at 4000-4200 m altitude". — Distr.: **AF**: Kenya.

sp.: ROBACK & COFFMAN, 1987: *Proceedings of the Academy of Natural Sciences of Philadelphia* **139**(1): 115 (*Orthocladius* (*Eudactylocladius*)). Localities: {Nepal} "NP 134" [= "Tributary of Marsyandi, nr. Braga . . . alt. 3500 m."]. — Distr.: **OR**: Nepal.

sp.: WAIS, 1987: *Studies on Neotropical Fauna and Environment* **22**(2): 77 (*Orthocladius* (*Eudactylocladius*)). Locality: [Title, p. 73] "Negro River Basin, Argentine Patagonia". — Distr.: **NT**: Argentina.

sp.: WATSON & HEYN, 1993: *Netherlands Journal of Aquatic Ecology* **26**(2/4): 259 (*Orthocladius* (*Eudactylocladius*)). Locality: "Costa Rica . . . C. 2850 m" [= Costa Rica . . . Cartago Province, 2850 metres]. — Distr.: **NT**: Costa Rica.

Nomina dubia probably in ORTHOCLADIUS (EUDACTYLOCLADIUS)

albilobus KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 70

(*Orthocladius*). Type-locality: [Germany] "Ile de Rügen" [= island of Rügen]. [**Note**]

arcticus KIEFFER in KIEFFER & THIENEMANN, 1919: *Entomologische Mitteilungen* **8**: 48 (*Orthocladius*). Type-locality: "Spitzbergen: Croßbai, Ebelthofhafen, Süßwassertümpel" [= Spitzbergen: Cross Bay, Ebelthof arbour, freshwater pond].

confusus MARCUZZI, 1949: *Hydrobiologia* **1**(2): 189 (*Orthocladius*). Type-locality: {Italy} "Padova".

dissimilis KIEFFER, 1923: *Annales de la Société Scientifique de Bruxelles, 2e partie (Mémoires)* **42**: 140 (*Orthocladius*; as var. of *hygropetricus* Kieffer, 1911). Type-locality: [Germany] "Westphalie : Diemel, larve dans les mousses d'un fossé" [= Westphalia : Diemel, larva in the mosses of a ditch].

haesitans (KIEFFER in KIEFFER & THIENEMANN, 1908): *Zeitschrift für Wissenschaftliche Insektenbiologie* **4**: 36 (*Dactylocladius*). Type-locality: [Germany] "Insel Rügen" [= island of Rügen].

heptatomus (KIEFFER, 1915): *Entomologiske Meddelelser* **10**: 295 (*Dactylocladius*). Type-locality: [Title] "dänische" [= Danish, i.e. Denmark]. [**Note**]

leucolabis (KIEFFER, 1915): *Entomologiske Meddelelser* **10**: 296 (*Dactylocladius*). Type-locality: [Title] "dänische" [= Danish, i.e. Denmark]. [**Note**]

microcomus (KIEFFER, 1922): *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **2**: 16 (*Dactylocladius*). Type-locality: [Russia] {Nouvelle-Zemble} "Ile Berkh" [= Berek Island].

niveiforceps (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 72 (*Dactylocladius*). Type-locality: [Austria] "Basse-Autriche" [= Lower Austria]. [**Note**]

novaesemliae KIEFFER, 1922: *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **2**: 14 (*Orthocladius*; as "*novae-Semliae*"). Type-locality: [Russia] {Nouvelle-Zemble} "Serebraukabugten" [= Serebrauka Bay].

spitzbergensis (KIEFFER in KIEFFER & THIENEMANN, 1919): *Entomologische*

Mitteilungen **8**: 116 (*Dactylocladius*). Type-locality: "Spitzbergen: Croßbai, Ebelthofhafen, Süßwassertümpel" [= Spitzbergen: Cross Bay, Ebelthof arbour, freshwater pond]. [**Note**]

tridentiger KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1re partie (Comptes Rendus)* **44**: 560 (*Orthocladius*). Type-locality: "Allemagne du Nord" [= north of Germany]. [**Note**]

turficola KIEFFER, 1925: *Beiträge zur Kunde Estlands* **10**: 159 (*Orthocladius*). Type-localities: [Russia, Kaliningrad Region] "Ostpreußen: Zehlau-Moor, am Rande der Inselblänke" [= East Prussia: Zehlau-Moor, on the edge of Inselblänke]; "im Kiefernzwischenmoor" [= in moorland interspersed with Pine]. [**Note**]

Unavailable names in ORTHOCLADIUS (EUDACTYLOCLADIUS)

bidenticulatus (THIENEMANN, 1950): *Archiv für Hydrobiologie Supplement* **18**(1): 132 (*Eudactylocladius*). Localities: [Austria] {Lunzer Seengebiet} [= Lunz lake district] "Untersee: *Rivularia*-Krusten" [= 'Lower Lake': *Rivularia*-incrustations]; "Kanal: . . . Stammt sicher aus dem see Seebach" [Drainage channel: . . . Certainly originated from Seebach stream]; "Rockpools am Mittersee" [= Rockpools at the 'Middle Lake']. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**. [**Note**]

paulae TATOLE, 2003: *Fauna României, Insecta* **IX** (Fasc. 15): 139 (*Orthocladius* (*Eudactylocladius*)). Locality: "România . . . Sinaia". Name not made available - not accompanied by an explicit fixation of a holotype or syntypes contrary to Article 16.4.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

Subgenus **EUORTHOCLADIUS** THIENEMANN

EUORTHOCLADIUS THIENEMANN, 1935: *Stettiner Entomologische Zeitung* **96**(2): 201 (as genus). Type-species: *Orthocladius thienemanni* Kieffer, 1906, by original

designation.

abiskoensis THIENEMANN & KRÜGER, 1937: *Zoologischer Anzeiger* **117**(11/12): 258 (*Orthocladius*). Type-locality: "Bei Abisko (Schwedisch-Lappland) liegt in der *Betula-nana*-Heide am Wege Abisko Turiststation ↔ Björklinden, am Hang, etwa 100 m vom Strand des Sees Torneträsk entfernt, ein moosiges Quellgebiet" [= At Abisko (Swedish Lapland) situated in the *Betula-nana* heath on the route Abisko Tourist Station ↔ Björklinden, on a slope, about 100 metres distant from the beach of Torneträsk Lake, a mossy spring region] [Lectotype designated in Soponis, 1990: *Spixiana Supplement* **13**: 13, "Lappland, Sweden"]. — Distr.: **NE**: Canada (Northwest Territories, Nunavut, Yukon Territory), U.S.A. (Kansas); **PA**: Denmark, Finland, Mongolia, Norway, Russia (NET, Far East), Sweden, Ukraine. Senior primary homonym of *Orhocladius abiskoensis* Edwards, 1937 (below).

abiskoensis EDWARDS, 1937: *Annals and Magazine of Natural History* (10) **20**: 144 (*Orhocladius*). Type-locality: {Swedish Lappland} "Abisko". **Preoccupied**. Junior primary homonym of *Orhocladius abiskoensis* Thienemann & Krüger, 1937 (above). [**Note**]

annellae SÆTHER, 2005: *Zootaxa* **974**: 42 (*Orthocladius* (*Euorthocladius*)). Type-locality: "CANADA: Northwest Territories, FWI Pipeline Project, ?Oscar Creek". — Distr.: **NE**: Canada (Northwest Territories).

anteilis (ROBACK, 1957): *Proceedings of the Academy of Natural Sciences of Philadelphia* **109**: 14 (*Hydrobaenus*). Type-locality: [U.S.A.] "South Fork of Provo River on Stewart's Ranch; Summit County, Utah". — Distr.: **NE**: U.S.A. (Idaho, Montana, Utah). [**Note**]

asamadentalis SASA & HIRABAYASHI, 1993: *Japanese Journal of Sanitary Zoology* **44**(4): 382 (*Orthocladius* (*Euorthocladius*)). Type-locality: {Nagano, Japan} [p. 380] "on the streets of the hot spring town, Asama-Onsen (Nagano)". — Distr.: **PA**: Japan.

ashei SOPONIS, 1990: *Spixiana Supplement* **13**: 17 (*Orthocladius* (*Euorthocladius*)). Type-

locality: "Ireland, Kerry Co., Sta. 6, Clydagh Br., River Flesk . . .W114826". — Distr.: **PA**: Austria, Belgium, Bulgaria, Corsica, Czech Republic, Finland, France, Germany, Great Britain, Ireland, Italy, Luxembourg, Morocco, Netherlands, Norway, Poland, Slovakia, Spain, Sweden, Switzerland.

calvus PINDER, 1985: *Freshwater Biology* **15**(2): 235 (*Orthocladius* (*Euorthocladius*)). Type-locality: [Great Britain] "Dorset, Waterston experimental channel". — Distr.: **PA**: France, Germany, Great Britain, Slovakia, Spain.

coffmani SOPONIS, 1990: *Spixiana Supplement* **13**: 20 (*Orthocladius* (*Euorthocladius*)). Type-locality: "USA, Alaska, Portage Glacial Pool". — Distr.: **NE**: Canada (Alberta), U.S.A. (Alaska, Colorado, Idaho, Montana).

difficilis (LUNDBECK, 1898): *Videnskabelige Meddelelser fra Dansk Naturhistorisk Forening i Kjøbenhavn* **5**: 282 (*Chironomus*). Type-locality: "Nordgrønland; Sydostbugten, Ritenbenk" [= northern Greenland; south-east bay, Ritenbenk] [Lectotype designated in Oliver, 1970: *Entomologica Scandinavica* **1**(2): 103, "Kangersuak, Greenland"]. — Distr.: **NE**: Canada ($Northwest Territories), Greenland.

insolitus MAKARCHENKO & MAKARCHENKO, 2006: *Evraziatskii Entomologicheskii Zhurnal* **5**(1): 65 (*Orthocladius* (*Euorthocladius*)). Type-locality: **ROSSIYA, OSTROV VRANGELYA: r. Somnetel′naya** [= RUSSIA, VRANGEL ISLAND: River Somnetel′naya]. — Distr.: **PA**: Russia (Far East).

kanii (TOKUNAGA, 1939): *Philippine Journal of Science* **69**(3): 315 (*Spaniotoma* (*Orthocladius*)). Type-locality: "Honshu, Japan . . . Nishigamo, Kyoto". — Distr.: **PA**: Japan, Russia (Far East).

luteipes GOETGHEBUER, 1938: *Bulletin et Annales de la Société Entomologique de Belgique* **78**(11): 457 (*Orthocladius*). Type-locality: [Austria] "en Basse-Autriche" [= in Lower Austria]. — Distr.: **NE**: U.S.A. (Arizona, Georgia, New York, North Carolina, Ohio, Oregon, Pennsylvania); **PA**: Austria, Corsica, France, Germany, Italy, Luxembourg, Morocco, Netherlands, Portugal, Sicily, Spain, Switzerland, Tunisia, Turkey.

masseinii ROSSARO & PIETRANGELO, 1992: *Fragmenta Entomologica* **24**(1): 45 (*Orthocladius* (*Euorthocladius*)). Type-locality: [Russia] "Abakan, Kantigit river, tributary of the Jenissei river, Siberia". — Distr.: **PA**: Russia (West Siberia).

oirasecundus SASA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 73 (*Orthocladius* (*Euorthocladius*)). Type-locality: {Japan} "at the side of Oirase River at Nenokuchi". — Distr.: **PA**: Japan.

oiratertius SASA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 77 (*Orthocladius*). Type-locality: {Japan} [p. 76] "Yakeyama Hotspring Town along Oirase River". — Distr.: **PA**: Japan.

piloculatus KOBAYASHI, 2012: *Zootaxa* **3230**: 53 (*Orthocladius* (*Euorthocladius*)). Type-locality: "JAPAN: Kanagawa, Ashigarakami County, Yamakita-machi, mountain stream, 35?28′1″E, 139?3′47″N; 580m alt." [Error, ? = °]. — Distr.: **PA**: Japan.

rivicola KIEFFER, 1911: *Bulletin de la Société Entomologique de France* **1911**: 181 (*Orthocladius*). Type-locality: [Introduction] "Allemagne" [= Germany] ‖►Type-localities: [Germany] "auf der Fülbecketalsperre" [= on the Fülbecke Dam]; "auf der Urfttalsperre bei Pulvermühlen" [= on the Urft Dam at Pulvermühlen], in Thienemann, 1911: *Landwirtschaftliche Jahrbücher* **41**: 637◄‖. — Distr.: **NE**: Canada (Alberta, Manitoba, Northwest Territories, Nunavut, Ontario, Québec, Saskatchewan, Yukon Territory), Greenland, U.S.A. (Alaska, Arizona, Arkansas, Colorado, Georgia, Idaho, Kansas, Minnesota, Montana, New York, North Carolina, Ohio, Pennsylvania, South Carolina, South Dakota, Tennessee, Virginia, Washington); **PA**: Andorra, Austria, Canary Islands, Corsica, Czech Republic, Finland, France, Germany, Great Britain, Ireland, Italy, Luxembourg, Madeira, Moldova, Mongolia, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (NET, Far East), Sicily, Slovakia, Spain, Sweden, Switzerland, Turkey, ¶Yugoslavia.

fusiformis GOETGHEBUER in GOETGHEBUER & DORIER, 1939: *Bulletin de la Société Entomologique de France* **54**: 30 (*Orthocladius*). Type-locality: [France] "dans le ruisseau de Bernin (Isère)" [= in the Bernin stream (Isère)].

rivulorum KIEFFER, 1909: *Bulletin de la Société d'Histoire Naturelle de Metz* **26**: 48 (*Orthocladius*; as "*Rivulorum*"). Type-locality: {Allemagne} [= Germany] "Ermepe, en Westphalie" [= Ennepe (not Ermepe), in Westphalia] [Lectotype designated in Soponis, 1990: *Spixiana Supplement* **13**: 31, {Germany, Westphalia} "Ennepe"]. — Distr.: **NE**: Canada (New Brunswick, Northwest Territories, Québec, Saskatchewan, Yukon Territory), U.S.A. (Alaska, Arkansas, Colorado, Georgia, Kansas, Michigan, Minnesota, North Carolina, Ohio, Oregon, Pennsylvania, South Carolina); **PA**: Andorra, Austria, Balearic Islands, Belgium, China (Tibet), Corsica, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Luxembourg, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (East Siberia, Far East), Slovakia, Spain, Sweden, Switzerland, **?**Turkey.

reofilus LINEVICH, 1963: *Trudy Limnologicheskogo Instituta* **1**: 29 (*Orthocladius*). Type-locality: [Russia, East Siberia] **bereg Baikala r. B. Koty** [= shore of Lake Baikal, River Bol′shie Koty].

saxosus (TOKUNAGA, 1939): *Philippine Journal of Science* **69**(3): 326 (*Spaniotoma* (*Orthocladius*)). Type-locality: "Honshu, Japan . . . Kibune, Kyoto". — Distr.: **NE**: Canada (Alberta), U.S.A. (Alaska, Colorado, Montana, North Carolina, Oregon, Wyoming); **PA**: Austria, Bulgaria, Corsica, Czech Republic, Finland, France, Germany, Italy, Japan, Norway, Poland, Romania, Russia (East Siberia, Far East), Sicily, Slovakia, Spain, Sweden, ¶Yugoslavia.

tridentifer (LINEVICH in MAKARCHENKO, 1977): *Trudy Biologo-Pochvennogo Instituta Dal'nevostochnogo Nauchnogo Tsentra Akademii Nauk SSSR (Novaia Seria)* **45**: 120 (*Parorthocladius*). Type-locality: [Russia] {USSR, Far East} **Primorskii kr., Khasanskii r-n, zapovednik «Kedrovaya pad'», r. Kedrovaya** [= Primorskii krai, Khasansky District, «Kedrovaya Pad'» Nature Reserve,

River Kedrovaya].

tridentifer (LINEVICH, 1957): *Izvestiya Biologo-geograficheskogo Nauchno-issledovatel'skogo Instituta pri Irkutskom Gosudarstvennom Universitete imeni A. A. Zhdanova* **17**(1/4): 148 (as "Orthocladiinae g?"). Locality: [Russia, East Siberia] [Introduction, p. 144] **reki Angary** [= River Angara]; [p. 148] **protyazhenii ot istoka do Khramovskogo ostrova** [= from the source up to Khramovsk Island]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

shofukuquintus SASA, 1998: *Bulletin of Toyama Prefectural Environmental Pollution Research Center* **25**(3): 33 (*Orthocladius* (*Euorthocladius*)). Type-locality: {Japan} [Abstract, p. 14] "in the Shofuku Garden, . . . about 1 km from the mouth of Kurobe River". — Distr.: **PA**: Japan.

shofukuseptimus SASA, 1998: *Bulletin of Toyama Prefectural Environmental Pollution Research Center* **25**(3): 35 (*Orthocladius* (*Euorthocladius*)). Type-locality: {Japan} [Abstract, p. 14] "in the Shofuku Garden, . . . about 1 km from the mouth of Kurobe River". — Distr.: **PA**: Japan.

shofukusextus SASA, 1998: *Bulletin of Toyama Prefectural Environmental Pollution Research Center* **25**(3): 34 (*Orthocladius* (*Euorthocladius*)). Type-locality: {Japan} [Abstract, p. 14] "in the Shofuku Garden, . . . about 1 km from the mouth of Kurobe River". — Distr.: **PA**: Japan.

subbullatus MAKARCHENKO & MAKARCHENKO, 2008: *Evraziatskii Entomologicheskii Zhurnal* **7**(3): 245 (*Orthocladius* (*Euorthocladius*)). Type-locality: {Russia} **Primorskii krai, Lazovskii r-n, Lazovskii zapovednik, p. Perekatnaya v r-ne kordona «Amerika»** [= Primorsky Krai, Lazovsky District, Lazovsky Nature Reserve, River Perekatnaya in the vicinity of «Amerika» lodge]. — Distr.: **PA**: Russia (Far East).

sudagailemeus SASA & TANAKA, 2001: *Annual Report of the Gunma Prefecture Institute of Public Health and Environmental Science* **33**: 57 (*Orthocladius*

(*Euorthocladius*)). Type-locality: {Japan} [Abstract, p. 41] "Tone River, Gunma Prefecture"; [p. 57] "Sudagai". — Distr.: **PA**: Japan.

suspensus (TOKUNAGA, 1939): *Philippine Journal of Science* **69**(3): 323 (*Spaniotoma* (*Orthocladius*)). Type-locality: "Honshu, Japan . . . Kibune, Kyoto". — Distr.: **PA**: Japan, South Korea.

telochaetus LANGTON, 1985: *Entomologica Scandinavica* **15**(4): 483 (*Orthocladius* (*Euorthocladius*)). Type-locality: [Norway] "Spitzbergen, Advent Bay". — Distr.: **PA**: Norway, Spitzbergen.

thienemanni KIEFFER in KIEFFER & THIENEMANN, 1906: *Zeitschrift für Wissenschaftliche Insektenbiologie* **2**: 143 (*Orthocladius*; as "*Thienemanni*"). Type-localities: [Germany] "Insel Rügen" [= island of Rügen]; "Thüringen" [= Thüringia] [Lectotype designated in Soponis, 1990: *Spixiana Supplement* **13**: 41]. — Distr.: **NE**: Canada (Northwest Territories, Ontario), Greenland, U.S.A. (Alaska, Arizona, Georgia, Kansas, North Carolina, Ohio, Pennsylvania, South Carolina, Tennessee); **PA**: Andorra, Austria, Balearic Islands, Bulgaria, **?**Corsica, Czech Republic, Denmark, Estonia, France, Germany, Great Britain, Ireland, Italy, Lebanon, Luxembourg, Madeira, Moldova, Morocco, Netherlands, Norway, Poland, Romania, Russia (CET, NET, East Siberia, Far East), Sicily, Slovakia, Spain, Sweden, Switzerland, Tunisia, Turkey.

togaflexus SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 118 (*Orthocladius* (*Euorthocladius*)). Type-locality: {Japan} [Introduction, p. 92] "Toga-mura . . . in the southern mountainous part of Toyama Prefecture"; [p. 118] "at an upstream site of Toga River". — Distr.: **PA**: Japan.

togahamatus (SASA & OKAZAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 114 (*Synorthocladius*). Type-locality: {Japan} [Introduction, p. 92] "Toga-mura . . . in the southern mountainous part of Toyama Prefecture"; [p. 114] "at Momose". — Distr.: **PA**: Japan.

tonewopeus SASA & TANAKA, 2002: *Annual Report of the Gunma Prefecture Institute of Public Health and Environmental Science* **34**: 42 (*Orthocladius* (*Euorthocladius*)). Type-locality: {Japan} [Title, p. 27] "Tone River, Gunma Prefecture"; [p. 42] "Sudagai". — Distr.: **PA**: Japan.

tusimoopeus SASA & SUZUKI, 1999: *Tropical Medicine* **41**(2): 91 (*Orthocladius* (*Euorthocladius*)). Type-locality: [Introduction, p. 75] "Tsushima Island . . . western Japan]; [p. 91] "in the town of Izuhara". — Distr.: **PA**: Japan.

"poss. *rivulorum* gr. sp.": ROBACK & COFFMAN, 1987: *Proceedings of the Academy of Natural Sciences of Philadelphia* **139**(1): 115 (*Orthocladius* (*Euorthocladius*)). Locality: {Nepal} "NP42" [= "Marsyandi, nr. Quyor . . . alt. 2520 m."]. — Distr.: **OR**: Nepal.

sp. 1: ROBACK & COFFMAN, 1987: *Proceedings of the Academy of Natural Sciences of Philadelphia* **139**(1): 115 (*Orthocladius* (*Euorthocladius*)). Localities: {Nepal} "NP38" [= "Mountain stream, tributary of Bhurungai Khola, Ghorepani . . . 2520 m."]; "NP150" [= "Tributary of Marsyandi, below Chame . . . alt. 2470 m."]. — Distr.: **OR**: Nepal.

sp. 2: ROBACK & COFFMAN, 1987: *Proceedings of the Academy of Natural Sciences of Philadelphia* **139**(1): 115 (*Orthocladius* (*Euorthocladius*)). Localities: {Nepal} "NP38" [= "Mountain stream, tributary of Bhurungai Khola, Ghorepani . . . 2520 m."]; "NP89" [= "Tributary of Langpoghyun Khola, Camp . . . alt. 3995 m."]. — Distr.: **OR**: Nepal.

sp.: ANDERSEN, CONTRERAS-RAMOS & SPIES, 2000: *Biodiversidad, taxonomía y biogeografía de artrópodos de México: hacia una síntesis de su conocimiento* **2**: 591 (*Orthocladius* (*Euorthocladius*)). Locality: {Mexico} "MEX" [= Mexico State]. — Distr.: **NE**: Mexico (Mexico State).

Nomina dubia in ORTHOCLADIUS (EUORTHOCLADIUS)

compactus LINEVICH, 1970: *Izvestiya Biologo-geograficheskogo Nauchno-issledovatel'skogo Instituta pri Irkutskom Gosudarstvennom Universitete imeni*

A. A. Zhdanova **23**(1): 126 (*Orthocladius*). Type-localities: [Russia, East Siberia] **raionov Baikala: u pos. B. Koty** [= Baikal region: at the village of Bol′shie Koty]; **Goloustnogo, v raione Solzana** [= Goloustnoe, in the vicinity of Solzana]; **v Malom More** [= in Malom More]; **v. r. Angare** [= in the River Angara]; **v ruch′e B. Koty** [= in the River Bol′shie Koty].

compactus LINEVICH, 1961: *Entomologicheskoe Obozrenie* **40**(3): 503 (*Orthocladius*). Locality: [Russia, East Siberia] **Baikal** [= Baikal region]. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

Subgenus **MESORTHOCLADIUS** SÆTHER

MESORTHOCLADIUS SÆTHER, 2005: *Zootaxa* **974**: 26. Type-species: *Chironomus frigidus* Zetterstedt, 1838, by original designation.

breviventris (LINEVICH in LINEVICH, MAKARCHENKO & ALEKSANDROV, 2002): *Khironomidy Baikala i Pribaikal'ya*: 72 (*Chaetocladius*). Type-locality: {Russia, East Siberia } **zapadnoe poberezh′e Baikala, ruch. Zhilishche u pos. Bol. Koty** [= west coast of Lake Baikal, Zhilishche stream at the settlement of Bol′shie Koty]. — Distr.: **PA**: Russia (East Siberia).

frigidus (ZETTERSTEDT, 1838): *Insecta Lapponica* [Heft 3]: 812 (*Chironomus*). Type-localities: [Sweden] "in Lapponia ?" [= in Lapland ?]; "E Groenlandia" [= East Greenland] [Lectotype designation in Soponis, 1987: *Entomologica Scandinavica Supplement* **29**: 124, "Grönlandica"] [Grönlandica = Greenland]. — Distr.: **NE**: Greenland, U.S.A. (Arizona, California, Georgia, North Carolina, South Carolina); **PA**: Austria, Belgium, Bulgaria, Corsica, Czech Republic, Denmark, Faroe Islands, Finland, France, Germany, Great Britain, Iceland, Ireland, Italy, Japan, Luxembourg, Mongolia, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET, East Siberia, Far East), Slovakia, Spain, Sweden, Switzerland, Tunisia, Turkey. [**Note**]

klishkoae MAKARCHENKO & MAKARCHENKO, 2008: *Evraziatskii Entomologicheskii*

Zhurnal **7**(3): 248 (*Orthocladius* (*Mesorthocladius*)). Type-locality: {Russia} **Chitinskaya obl., Chitinskii r-n, okr. pos. Karpovka, okolo 25 km ot goroda Chita, rodnik Karpovskii № 2** [= Chita Oblast, Chitinsky District, vicinity of Karpovka village, about 25 kilometres from the town of Chita, Karpovsky Spring № 2]. — Distr.: **PA**: Russia (East Siberia, Far East).

lamellatus SÆTHER, 2005: *Zootaxa* **974**: 29 (*Orthocladius* (*Mesorthocladius*)). Type-locality: "USA: Ohio, Delaware Co., Olentangy R., N. of Winter Road". — Distr.: **NE**: U.S.A. (Ohio); **PA**: Russia (Far East).

nimidens SÆTHER, 2005: *Zootaxa* **974**: 36 (*Orthocladius* (*Mesorthocladius*)). Type-locality: "USA: Ohio, Franklin Co., Sharon Woods Park, woodland trickle". — Distr.: **NE**: U.S.A. (Indiana, Missouri, North Carolina, Ohio).

roussellae SOPONIS, 1990: *Spixiana Supplement* **13**: 34 (*Orthocladius* (*Euorthocladius*)). Type-locality: "Canada, NWT, Axel Heiberg Island, 79°25'N, 90°45'W, Gypsum Hill" [NWT = Northwest Territories; type-locality now in Nunavut Province]. — Distr.: **NE**: Canada (Alberta, Northwest Territories, Nunavut, Yukon Territory), Greenland, U.S.A. (Alaska, Wyoming); **PA**: Mongolia, Russia (Far East).

rousellae: incorrect subsequent spelling.

vaillanti LANGTON & CRANSTON, 1991: *Systematic Entomology* **16**(2): 251 (*Orthocladius* (*Orthocladius*)). Type-locality: [Algeria] "Algier, La Cliffe" [error, La Cliffe = La Chiffa]. — Distr.: **NE**: (Georgia, North Carolina); **PA**: Algeria, Austria, Corsica, France, Italy, Russia (Far East).

"cf. *frigidus* (Zetterstedt)": ROBACK & COFFMAN, 1987: *Proceedings of the Academy of Natural Sciences of Philadelphia* **139**(1): 115 (*Orthocladius*). Localities: {Nepal} "NP5" [= "Bhurungai Khola, Birethanti, flat area . . . alt. 1046 m."]; "NP7" [= "Bhurungai Khola, Birethanti . . . alt. 1530 m."]; "NP28" [= "Tributary of Marsyandi, Quyor . . . alt. 2250 m."]; "NP37" [= Tributary of Kali Gandaki, Kalo Pani . . . alt. 2480 m."]. — Distr.: **OR**: Nepal.

Subgenus **ORTHOCLADIUS** WULP

appersoni SOPONIS, 1977: *Memoirs of the Entomological Society of Canada* **102**: 27 (*Orthocladius* (*Orthocladius*)). Type-locality: [U.S.A.] "Hat Creek, near Fall River Mills, Shasta Co., California". — Distr.: **NE**: Canada (Yukon Territory), U.S.A. (Alaska, Colorado, California, Montana, New York); **PA**: Russia (Far East).

biwainfirmus SASA & NISHINO, 1995: *Japanese Journal of Sanitary Zoology* **46**(1): 2 (*Orthocladius*). Type-locality: {Japan} [Abstract, p. 1] "on the shore of Lake Biwa at Uchidehama, Ohtsu City". — Distr.: **PA**: Japan.

carlatus (ROBACK, 1957): *Monographs of the Academy of Natural Sciences of Philadelphia* **9**: 77 (*Hydrobaenus*). Type-locality: [U.S.A.] "Plymouth Valley, Pa. on grounds of Community Baptist Church (approx. 1½ miles south of U.S. route 202 along Germantown Pike" [Pa. = Pennsylvania]. — Distr.: **NE**: Canada (Saskatchewan), U.S.A. (Alabama, Arkansas, California, Georgia, Maryland, Minnesota, New Mexico, New York, North Carolina, Kansas, Ohio, Oregon, Pennsylvania, South Carolina, Tennessee); **PA**: **?**Corsica, France.

charensis SOPONIS, 1977: *Memoirs of the Entomological Society of Canada* **102**: 33 (*Orthocladius* (*Orthocladius*)). Type-locality: [Canada, Nunavut] "Cornwallis I., Resolute, Char Lake, N.W.T." [N.W.T = Northwest Territories but type-locality now in Nunavut Province]. — Distr.: **NE**: Canada (Nunavut), Greenland.

chuzeseptimus SASA, 1984: *Research Report from the National Institute for Environmental Studies* **70**: 67 (*Orthocladius* (*Euorthocladius*)). Type-locality: [Japan] {Nikko National Park} "littoral zones of Lake Chuzenji". — Distr.: **PA**: Japan.

chuzesextus SASA, 1984: *Research Report from the National Institute for Environmental Studies* **70**: 64 (*Orthocladius* (*Orthocladius*)). Type-locality: [Japan] {Nikko National Park} "littoral zone . . . of Lake Chuzenji". — Distr.: **PA**: Japan, Russia (Far East).

clarkei SOPONIS, 1977: *Memoirs of the Entomological Society of Canada* **102**: 37

(*Orthocladius* (*Orthocladius*)). Type-locality: [Canada] "Clarke's Farm, 4 mi NE of Almonte, Lanark Co., Ontario". — Distr.: **NE**: Canada (Ontario), U.S.A. (Illinois, Iowa, Minnesota, Pennsylvania, Texas); **PA**: Romania, Russia (CET}.

cognatus MAKARCHENKO & MAKARCHENKO, 2006: *Evraziatskii Entomologicheskii Zhurnal* **5**(1): 60 (*Orthocladius* (*Orthocladius*)). Type-locality: **ROSSIYA, CHUKOTSKII POLUOSTROVA: oz. Achchon** [= RUSSIA, CHUKOTSKY PENINSULA, Lake Achchon]. — Distr.: **PA**: Russia (Far East).

cooki SOPONIS, 1977: *Memoirs of the Entomological Society of Canada* **102**: 41 (*Orthocladius* (*Orthocladius*)). Type-locality: [U.S.A.] "U. of M., Duluth, St. Louis Co., Minn." [= U. of M. = University of Minnesota; Minn. = Minnesota;]. — Distr.: **NE**: U.S.A. (Minnesota, Pennsylvania).

decoratus (HOLMGREN, 1869): *Kungliga Svenska VetenskapsAkademiens Handlingar* **8**(5): 43 (*Chironomus*). Type-localities: [Norway] "Hab. in Spetsbergia ad Advent Bay et Kobbebay" [= Dwells in Spitzbergen at Advent Bay and Kobbe Bay] [Lectotype designation in Soponis, 1977: *Memoirs of the Entomological Society of Canada* **102**: 45, [Norway] "Spitzbergen, Advent Bay"]. — Distr.: **NE**: Canada (Northwest Territories), Greenland; **PA**: Bear lsland, Finland, France, Norway, Novaya Zemlya, Russia (East Siberia), Spitzbergen, Sweden.

defensus MAKARCHENKO & MAKARCHENKO, 2006: *Evraziatskii Entomologicheskii Zhurnal* **5**(1): 57 (*Orthocladius* (*Orthocladius*)). Type-locality: **ROSSIYA, PRIMORSKII KRAI, Khasanskii r-n, zapovednik «Kedrovaya pad'», r. Kedrovaya** [= RUSSIA, PRIMORSKY KRAI, Khasansky District, «Kedrovaya Pad'» Nature Reserve, River Kedrovaya]. — Distr.: **PA**: Russia (Far East).

deflectus BHATTACHARYAY, ALI & CHAUDHURI, 1991: *Beiträge zur Entomologie* **41**(2): 340 (*Orthocladius* (*Orthocladius*)). Type-locality: "India, West Bengal, Kurseong". — Distr.: **OR**: India (West Bengal).

dentifer BRUNDIN, 1947: *Arkiv för Zoologi* **39A**: 21 (*Orthocladius*). Type-localities: {Sweden} "Sm. See Innaren . . . auf Björkholmen" [= Småland Lake Innaren . .

. at Björkholmen]; "Vartopasjön" [Lectotype designation in Soponis, 1977: *Memoirs of the Entomological Society of Canada* **102**: 47, "J117, Sweden"]. — Distr.: **NE**: Canada (Northwest Territories, Ontario), U.S.A. (Alaska, **?**Florida, Georgia, Nevada, North Carolina, Oregon, South Carolina, Wyoming); **PA**: Finland, France, Germany, Great Britain, Ireland, Italy, Mongolia, Netherlands, Norway, Novaya Zemlya, Russia (NET, East Siberia), Slovakia, Spain, Spitzbergen, Sweden.

dorenus (ROBACK, 1957): *Monographs of the Academy of Natural Sciences of Philadelphia* **9**: 78 (*Hydrobaenus*). Type-locality: [U.S.A.] "Wissahickon Creek, one mile above mouth, Philadelphia, Pa." [Pa. = Pennsylvania]. — Distr.: **NE**: Canada (New Brunswick, Northwest Territories, Yukon Territory), U.S.A. (Colorado, New Mexico, New York, North Carolina, Ohio, Oregon, South Carolina); **PA**: Mongolia.

currani SUBLETTE, 1967: *Journal of the Kansas Entomological Society* **40**(3): 315 (*Orthocladius*). Type-locality: [U.S.A.] "Station Study Insects, Tuxedo, New York".

excavatus BRUNDIN, 1947: *Arkiv för Zoologi* **39A**: 20 (*Orthocladius*). Type-localities: {Sweden} "Uppl. Mälaren . . . in *Phragmites*-Schilf bei Drottningholm" [Uppl. = Uppland]; "Jmtl. Gäddede . . . an der Stromschnelle" [Jmtl. = Jämtland] [Lectotype designation in Soponis, 1977: *Memoirs of the Entomological Society of Canada* **102**: 54, [Sweden] "Lovön SD45"] [Lovön = Lovön Island at Drottningholm on Lake Mälaren = "Uppl. Mälaren . . . in *Phragmites*-Schilf bei Drottningholm"]. — Distr.: **NE**: Canada (Alberta); **PA**: **?**Algeria, Austria, **?**Belgium, **?**Czech Republic, **?**Denmark, Finland, France, Germany, **?**Great Britain, **?**Greece, **?**Hungary, **?**Ireland, Italy, Japan, Lebanon, **?**Luxembourg, **?**Morocco, Netherlands, **?**Norway, **?**Poland, **?**Portugal, **?**Romania, **?**Russia (NET), Sardinia, Sicily, Slovakia, **?**Spain, **?**Spitzbergen, Sweden, **?**Tunisia, **?¶**Yugoslavia. [**Note**]

bicolor SÆTHER, 1968: *Archiv für Hydrobiologie* **64**(4): 464 (*Orthocladius*

(*Orthocladius*); as subspecies of *excavatus* Brundin, 1947). Type-locality: {Finse Area, Norway} "Sta. C". [**Note**]

ticinoi ROSSARO & PRATO, 1991: *Fragmenta Entomologica* **23**(1): 65 (*Orthocladius* (*Orthocladius*)). Type-locality: [Italy] "Ticino river, loc. Boffalora".

ferringtoni SOPONIS, 1983: *Journal of the Kansas Entomological Society* **56**(4): 571 (*Orthocladius* (*Orthocladius*)). Type-locality: [U.S.A.] "Kansas: Allen Co., unnamed stream 2.8 mi S, 1.4 mi E of Mildred". — Distr.: **NE**: U.S.A. (Kansas, Ohio).

filamentosus (TOKUNAGA, 1939): *Philippine Journal of Science* **69**(3): 329 (*Spaniotoma* (*Orthocladius*)). Type-locality: "Honshu, Japan . . . Kibune, Kyoto". — Distr.: **PA**: Japan.

glabripennis (GOETGHEBUER, 1921): *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 85 (*Dactylocladius*). Type-localities: {Belgique} [p. 22] "sur les bords de l'Escaut, à Destelbergen" [= on the banks of the Scheldt, at Destelbergen]; [p. 189] "Les Flandres" [Belgique = Belgium] [Lectotype designation in Pinder & Cranston, 1976: *Entomologica Scandinavica* **7**(1): 20, "BELGIUM: Flanders, Destelbergen"]. — Distr.: **PA**: Austria, Belgium, Czech Republic, Denmark, France, Great Britain, Hungary, Ireland, Italy, Japan, Netherlands, Poland, Slovakia, Spain.

atripluma KIEFFER, 1923: *Annales de la Société Scientifique de Bruxelles, 2e partie (Mémoires)* **42**: 138 (*Orthocladius*). Type-locality: [Germany] "Westphalie : larve dans la vase de la Diemel" [= Westphalia : larva in the mud of the Diemel].

mitisi GOETGHEBUER, 1938: *Bulletin et Annales de la Société Entomologique de Belgique* **78**(11): 458 (*Orthocladius*; as "*Mitisi*"). Type-locality: [Austria] "Basse-Autriche" [= Lower Austria].

gregarius LINEVICH, 1970: *Izvestiya Biologo-geograficheskogo Nauchno-issledovatel'skogo Instituta pri Irkutskom Gosudarstvennom Universitete imeni*

A. A. Zhdanova **23**(1): 121 (*Orthocladius*). Type-localities: [Russia, East Siberia] **litorali (Yuzhnyi, Srednii i Severnyi Baikal)** [= littoral (south, middle and north Lake Baikal]. — Distr.: **PA**: Russia (East Siberia).

gregarius LINEVICH, 1961: *Entomologicheskoe Obozrenie* **40**(3): 503 (*Orthocladius*). Type-locality: [Russia, East Siberia] **Baikal** [= Baikal region]. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

groenlandensis GOETGHEBUER, 1933: *Skrifter om Svalbard og Ishavet* **53**: 26 (*Orthocladius* (*Dactylocladius*)). Type-locality: [Greenland] "Vegasund, . . . au bord de la mer" [= Vegasund, . . . at the seashore]. — Distr.: **NE**: Greenland.

hazenensis SOPONIS, 1977: *Memoirs of the Entomological Society of Canada* **102**: 56 (*Orthocladius* (*Orthocladius*)). Type-locality: [Canada, Nunavut] "Hazen Camp, Ellesmere I., N.W.T." [N.W.T. = Northwest Territories; type-locality now in Nunavut Province]. — Distr.: **NE**: Canada (Nunavut); **PA**: Russia (Far East).

hellenthali SOPONIS, 1977: *Memoirs of the Entomological Society of Canada* **102**: 57 (*Orthocladius* (*Orthocladius*)). Type-locality: [U.S.A.] "Sonora Pass, Mono Co., California, 8500 ft.". — Distr.: **NE**: Canada (Northwest Territories), U.S.A. (Alaska, California, New Mexico, Tennessee); **PA**: Russia (East Siberia).

kamihiroi SASA & HIRABAYASHI, 1993: *Japanese Journal of Sanitary Zoology* **44**(4): 367 (*Orthocladius* (*Orthocladius*)). Type-locality: {Nagano, Japan} [p. 362] "Kamikochi"; [p. 367] "at Nishiitoya". — Distr.: **PA**: Japan.

kamisemai SASA & HIRABAYASHI, 1993: *Japanese Journal of Sanitary Zoology* **44**(4): 367 (*Orthocladius* (*Orthocladius*)). Type-locality: {Nagano, Japan} [p. 362] "Kamikochi"; [p. 367] "at Nishiitoya". — Distr.: **PA**: Japan.

knabeni GOETGHEBUER, 1933: *Skrifter om Svalbard og Ishavet* **53**: 26 (*Orthocladius* (*Dactylocladius*); as "*Knabenii*"). Type-locality: "Vegasund . . . Groenland" [= Vega Sound . . . Greenland]. — Distr.: **NE**: Greenland; **PA**: Sweden.

knuthi SOPONIS, 1977: *Memoirs of the Entomological Society of Canada* **102**: 58 (*Orthocladius* (*Orthocladius*)). Type-locality: "Nedre Midsommer So, Greenland". — Distr.: **NE**: Canada (Nunavut), Greenland; **PA**: Spitzbergen.

lapponicus GOETGHEBUER, 1940: *Bulletin et Annales de la Société Entomologique de Belgique* **80**(1): 60 (*Orthocladius*). Type-locality: [Introduction, p. 55] "aux environs d'Abisko, en Laponie Suédoise" [= in the vicinity of Abisko, in Swedish Lapland]; [p. 60] "dans une mare à sphagnum" [= in a sphagnum pool]. — Distr.: **NE**: Canada (Northwest Territories), Greenland, U.S.A. (Kansas, Ohio); **PA**: Finland, Norway, Novaya Zemlya, Sweden. [**Note**]

linevitshae MAKARCHENKO & MAKARCHENKO, 2008: *Evraziatskii Entomologicheskii Zhurnal* **7**(3): 256 (*Orthocladius* (*Orthocladius*)). Type-locality: {Russia} **Kamchatka, r. Ozernaya** [= Kamchatka, River Ozernaya]. — Distr.: **PA**: Russia (East Siberia, Far East).

maius GOETGHEBUER, 1942: *Archiv für Hydrobiologie* **38**: 663 (*Orthocladius*). Type-locality: [Footnote, p. 664] [Austria] "aus dem Lunzer Seengebiet (Niederdonau) . . . am Lunzer Mittersee" [= from the Lunz lake region (Lower Danube) . . . at Lunz 'Middle Lake']. — Distr.: **PA**: Austria, Czech Republic, Germany, Great Britain, Italy, Spain.

makabensis SASA, 1979: *Research Report from the National Institute for Environmental Studies* **7**: 20 (*Orthocladius* (*Orthocladius*)). Type-locality: {Japan} "streams on the slopes of Mount Tsukuba, Ibaraki". — Distr.: **PA**: Japan.

mallochi KIEFFER, 1919: *Bulletin de la Société Entomologique de France* **1919**: 191 (*Orthocladius*; as nom. nov. for *Orthocladius lacteipennis* Malloch, 1915, nec *Orthocladius lacteipennis* Lundström, 1910). — Distr.: **NE**: Canada (**$**Northwest Territories, Ontario, Saskatchewan), U.S.A. (Arizona, California, Illinois, Kansas, Maryland, Michigan, New Mexico, Ohio, South Carolina, Washington).

lacteipennis MALLOCH, 1915: *Bulletin of the Illinois State Laboratory of Natural History* **10**: 524 (*Orthocladius* (*Orthocladius*)). Type-locality: [U.S.A.] "South

Haven, Mich., . . . on shore of Lake Michigan" [Mich. = Michigan]. **Preoccupied**. Junior primary homonym of *Orthocladius lacteipennis* Lundström, 1910.

manitobensis SÆTHER, 1969: *Bulletin of the Fisheries Research Board of Canada* **170**: 69 (*Orthocladius* (*Orthocladius*)). Type-locality: [Canada] "stream below dam, Lake Riviera, St. Annes, Man." [Man. = Manitoba]. — Distr.: **NE**: Canada (Manitoba, Northwest Territories, U.S.A. (Minnesota).

marchettii ROSSARO & PRATO, 1991: *Fragmenta Entomologica* **23**(1): 64 (*Orthocladius* (*Orthocladius*)). Type-locality: [Italy] "Aterno river, Coppito". — Distr.: **PA**: Germany, Italy.

multidentatus ZELENTZOV, 1991: *Zoologicheskii Zhurnal* **70**(9): 95 (*Orthocladius* (*Orthocladius*)). Type-locality: [Tajikistan] **r. Izuk, Gorno- Badakhshanskaya AO, Vostochnyi Pamir** [= River Izuk, Gorny-Badakhshan Autonomous Oblast, Eastern Pamir]. — Distr.: **PA**: Tajikistan.

nigritus MALLOCH, 1915: *Bulletin of the Illinois State Laboratory of Natural History* **10**: 525 (*Orthocladius* (*Orthocladius*)). Type-locality: [U.S.A.] "Cabin John, Md." [Md. = Maryland]. Senior primary homonym of *Orthocladius nigritus* Goetghebuer, 1938. — Distr.: **NE**: Canada (Québec, Saskatchewan), U.S.A. (Kansas, Minnesota, North Carolina, South Carolina, Virginia., Utah); **PA**: Russia (NET).

nitidoscutellatus LUNDSTRÖM, 1915: *Résultats scientifiques de l'Expédition Polaire Russe en 1900-1903, sons la direction du Baron E. Toll. Section E*: *Zoologie* 2(8). *Zapiski Imperatorskoi Akademii Nauk, Série* 8, *Classe physico-mathématique* **29**(8): 11 (*Orthocladius*). Type-locality: [Russia, East Siberia] "West Taimyr, Nordküste, Ins Bonnevie" [= West Taimyr, north coast, Bonnevie Island]. — Distr.: **NE**: Canada (Northwest Territories), U.S.A. (Colorado, Minnesota, New Mexico, Utah, Wyoming); **PA**: Bear Island, **?**Finland, Norway, Russia (East Siberia, Far East), Spitzbergen, Sweden.

trigonolabis (EDWARDS, 1924): *Annals and Magazine of Natural History* (9) **14**: 170

(*Orthocladius*). Type-locality: [Norway] "N. Spitzbergen : Albert Dirkses Bay, Wijde Bay, . . . 50 ft." [Lectotype designation in Soponis, 1977: *Memoirs of the Entomological Society of Canada* **102**: 99-100, "N. Spitzbergen, Albert Dirkses B. Wijde Bay"].

aquilonaris GOETGHEBUER, 1940: *Bulletin et Annales de la Société Entomologique de Belgique* **80**(1): 63 (*Orthocladius*). Type-locality: [Introduction, p. 55] "aux environs d'Abisko, en Laponie Suédoise" [= in the vicinity of Abisko, in Swedish Lapland]; [p. 63] "Torneträsk, à la snrface de l'eau" [= Torneträsk, on the surface of the water], [snface, error == surface]. [**Note**]

novostylus CHAUDHURI & GHOSH, 1982: *Annales Zoologici (Warszawa)* **36**(25): 492 (*Orthocladius* (*Orthocladius*)). Type-locality: [India, West Bengal] "Darjeeling, 2016 m above sea level". — Distr.: **OR**: India (West Bengal).

oblidens (WALKER, 1856): *Insecta Britannica Diptera* **3**: 180 (*Chironomus*). Type-locality: [Great Britain] "(E.)" [= England]. — Distr.: **NE**: Canada (Northwest Territories, Québec); **PA**: Andorra, Austria, Belgium, Corsica, Cyprus, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, Iceland, Ireland, Italy, Luxembourg, Macedonia, Mongolia, Morocco, Netherlands, Norway, Novaya Zemlya, Poland, Romania, Russia (CET, NET, East Siberia, Far East), Slovakia, Spain, Sweden, Switzerland, Turkey.

lenzi KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 69 (*Orthocladius*; as "*Lenzi*"). Type-localities: [Germany] "Holstein : grand lac de Ploen" [= Holstein : Grosser Plöner See]; "Mecklembourg : lac nommé Schaalsee" [= Mecklemburg : lake named Schaalsee].

pinderi ROSSARO & PRATO, 1991: *Fragmenta Entomologica* **23**(1): 66 (*Orthocladius* (*Orthocladius*)). Type-locality: [Italy] "Vera spring (AQ)" [= Vera spring (L'Aquila)]. — Distr.: **PA**: Italy.

obumbratus JOHANNSEN, 1905: *Bulletin of the New York State Museum* **86**: 281 (*Orthocladius*). Type-localities: [U.S.A.] "Ithaca N. Y." [= New York]; "Douglass, Alaska". — Distr.: **NE**: Canada ($Northwest Territories,

Saskatchewan), U.S.A. (Alabama, Alaska, California, Georgia, Kansas, Michigan, Minnesota, New York, North Carolina, Pennsylvania, South Carolina). [**Note**]

paradorenus (ROBACK, 1957): *Monographs of the Academy of Natural Sciences of Philadelphia* **9**: 79 (*Hydrobaenus*). Type-locality: [U.S.A.] "Fairmount Park, Philadelphia, Pa." [Pa. = Pennsylvania].

oliveri SOPONIS, 1977: *Memoirs of the Entomological Society of Canada* **102**: 87 (*Orthocladius* (*Orthocladius*)). Type-locality: [Canada] "Blanche River 1 mile north of Perkins, Que." [Que. = Québec]. — Distr.: **NE**: Canada (Ontario, Québec), U.S.A. (Alabama, Arkansas, Florida, Georgia, Illinois, Indiana, Iowa, Louisiana, Michigan, Minnesota, Missouri, New York, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, South Carolina, South Dakota, Texas, Wisconsin); **PA**: Romania, Russia (CET).

pallidicornis LUNDSTRÖM, 1915: *Résultats scientifiques de l'Expédition Polaire Russe en 1900-1903, sons la direction du Baron E. Toll. Section E*: *Zoologie* 2(8). *Zapiski Imperatorskoi Akademii Nauk, Série* 8, *Classe physico-mathématique* **29**(8): 13 (*Orthocladius*). Type-locality: [Russia, East Siberia] "Chara-Ullach-Gebirge" [= Chara-Ullach Mountains] [Lectotype designation in Sæther, 2004: *Zootaxa* **595**: 15, "RUSSIA: Chara-Ullach Mts."]. — Distr.: **PA**: Russia (East Siberia).

pedestris KIEFFER, 1909: *Bulletin de la Société d'Histoire Naturelle de Metz* **26**: 48 (*Orthocladius*; as "*Pedestris*"). Type-locality: {Allemagne} [= Germany] "Vollme, en Westphalie" [= Vollme (now Volme), in Westphalia]. — Distr.: **PA**: Austria, Balearic Islands, Canary Islands, Corsica, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Lebanon, Morocco, Netherlands, Norway, Poland, Russia (Far East), Spain, Switzerland.

tubicola (KIEFFER, 1909): *Bulletin de la Société d'Histoire Naturelle de Metz* **26**: 48 (*Dactylocladius*; as "*Tubicola*"). Type-loclaity: {Allemagne} [= Germany] "Glör, en Westphalie" [= Glör, in Westphalia].

rarus LINEVICH in LINEVICH, MAKARCHENKO & ALEKSANDROV, 2002: *Khironomidy Baikala i Pribaikal'ya*: 96 (*Orthocladius* (*Orthocladius*)). Type-locality: {Russia, East Siberia} **bassein oz. Baikal, bereg r. Ushakovki** [= basin of Lake Baikal, shore of the River Ushakovki]. — Distr.: **PA**: Russia (East Siberia).

rhyacobius KIEFFER, 1911: *Bulletin de la Société Entomologique de France* **1911**: 181 (*Orthocladius*). Type-locality: [Introduction] "Allemagne" [= Germany] ‖►Type-locality: [Germany, Westphalia] "Zuflusses der Fülbecketalsperre" [= Inflow of the Fülbeck Dam] in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 75◄‖ [Lectotype designation in Langton & Cranston, 1991: *Systematic Entomology* **16**(2): 248, [Germany, Westphalia] "Fuelbecke Zuflus"] [= Fülbeck inflow]. — Distr.: **PA**: Austria, **?**Belgium, Czech Republic, **?**Denmark, Finland, France, Germany, Great Britain, **?**Greece, **?**Hungary, Ireland, Italy, **?**Luxembourg, **?**Norway, Poland, **?**Portugal, **?**Romania, **?**Russia (NET), Sardinia, Sicily, Slovakia, Spain, **?**Spitzbergen, Sweden, Switzerland, **?¶**Yugoslavia. [**Note**]

rivinus POTTHAST, 1914: *Archiv für Hydrobiologie Supplement* **2**(2) [Preprint]: 372 (*Orthocladius*). Type-locality: [Germany]. "In stark fließendem, reinem, kalkreichem Bach (an der Saline Salzkotten i. W.) zwischen Wasserpflanzen" [= In strong flowing, clean, lime-rich stream (in the saline region of Salzkotten in Westphalia) amongst aquatic plants] [Lectotype designation in Langton & Cranston, 1991: *Systematic Entomology* **16**(2): 249, [Germany, Westphalia] "Salzkotten Bach"] [= Salzkotten brook]. — Distr.: **PA**: Austria, Canary Islands, France, Germany, Great Britain, Ireland, Italy, Norway, Slovakia, Spain, Switzerlan. Senior homonym of *Orthocladius rivinus* Kieffer, 1915 (below). [**Note**]

rivinus KIEFFER, 1915: *Brotéria, Série Zoológica* **13**: 85 (*Orthocladius*). Type-locality: "Deutschland (Westfalen)" [= Germany (Westphalia)] [Lectotype designation in Langton & Cranston, 1991: *Systematic Entomology* **16**(2): 249,

[Germany, Westphalia] "Salzkotten Bach"] [= Salzkotten brook]. **Preoccupied**. Junior homonym of *Orthocladius rivinus* Potthast, 1914 (above).

mariellae ROSSARO & PRATO, 1991: *Fragmenta Entomologica* **23**(1): 62 (*Orthocladius* (*Orthocladius*)). Type-locality: [Italy] "Aterno river, L'Aquila, Coppito".

robacki SOPONIS, 1977: *Memoirs of the Entomological Society of Canada* **102**: 92 (*Orthocladius* (*Orthocladius*)). Type-locality: [U.S.A.] "Darby Creek at intersection of Sawmill and Darby-Paoli Roads, Pa." [Pa. = Pennsylvania]. — Distr.: **NE**: Canada (Saskatchewan), U.S.A. (New York, North Carolina, Ohio, Pennsylvania).

rubicundus (MEIGEN, 1818): *Systematische Beschreibung* **1**: 35 (*Chironomus*). Type-locality: [Germany] "in Hessen" [Lectotype designation in Langton & Cranston, 1991: *Systematic Entomology* **16**(2): 249]. — Distr.: **NE**: Canada (British Columbia), U.S.A. (California, Florida, Georgia, Ohio, South Carolina); **PA**: Andorra, Austria, Balearic Islands, Belgium, Bulgaria, Corsica, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Kaliningrad, Lebanon, Lithuania, Luxembourg, Macedonia, Moldova, Mongolia, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET, East Siberia, Far East), Slovakia, Slovenia, Spain, Sweden, Switzerland, Tunisia, Ukraine, ¶Yugoslavia. [**Note**]

incoactus (WALKER, 1856): *Insecta Britannica Diptera* **3**: 175 (*Chironomus*). Type-locality: [Great Britain] "(E.)" [= England].

persidens (WALKER, 1856): *Insecta Britannica Diptera* **3**: 181 (*Chironomus*). Type-locality: [Great Britain] "(E.)" [= England].

saxicola KIEFFER, 1911: *Bulletin de la Société Entomologique de France* **1911**: 181 (*Orthocladius*). Type-locality: [Introduction] "Allemagne" [= Germany] ‖►Type-locality: [Germany, Westphalia] "Ruhr kurz vor der Brücke Oeventrop-Dinschede, durch die Papierfabrik Wildshausen stark verunreinigt" [= the Ruhr just before the Oeventrop-Dinschede Bridge, by the Wildshausen

Paper Mill strongly polluted] in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 75◄‖ [Lectotype designation in Langton & Cranston, 1991: *Systematic Entomology* **16**(2): 249-250, [Germany] "Wildhausen . . . in der Ruhe [= Ruhr] oberhalb Oventrop (etwas verschmentzt [= verschmutzt] durch Papierabwasser)" [= Wildhausen . . . in the Ruhr above Oventrop (slightly polluted by wastewater from paper)].

curtiseta SÆTHER, 1973: *Canadian Entomologist* **105**(1): 58 (*Orthocladius* (*Orthocladius*; as nom. nov. for *Orthocladius* (*Orthocladius*) *breviseta* Sæther, 1969, nec *Orthocladius breviseta* Kieffer, 1923).

breviseta SÆTHER, 1969: *Bulletin of the Fisheries Research Board of Canada* **170**: 65 (*Othocladius* (*Orthocladius*)). Type-locality: [Canada] "small mountain stream, . . . Marion Lake, University of British Columbia Forestry Farm, Haney, B.C." [B.C. = British Columbia]. **Preoccupied**. Junior primary homonym of *Orthocladius breviseta* Kieffer, 1923 – the latter is a nomen dubium in *Othocladius* Wulp, 1874.

saetheri JACOBSEN, 2007: *Contributions to the Systematics and Ecology of Aquatic Diptera*: 138 (*Orthocladius* (*Orthocladius*)). Type-locality: "USA: Maryland, Garrett Co., Merrill, Merrill's Farm, spring run along west hillside near Black Lick Run, approximately 500 m N of the Savage River, 39.60423° N, 79.07997° W". — Distr.: **NE**: U.S.A. (Maryland).

sakhalinensis MAKARCHENKO & MAKARCHENKO, 2006: *Evraziatskii Entomologicheskii Zhurnal* **5**(1): 61 (*Orthocladius* (*Orthocladius*)). Type-locality: **ROSSIYA, OSTROV SAKHALIN: Smirnykhovskii r-n, r. Orlovka** [= RUSSIA, SAKHALIN ISLAND: Smirnykhovsky District, River Orlovka]. — Distr.: **PA**: Russia (Far East).

seiryugeheus SASA, SUZUKI & SAKAI, 1999: *Tropical Medicine* **40**(3): 107 (*Orthocladius* (*Orthocladius*)). Type-locality: [Abstract, p. 99] "Shimanto River, western Shikoku Island, Japan"; [p. 107] "Nakamura". — Distr.: **PA**: Japan.

setosus MAKARCHENKO & MAKARCHENKO, 2006: *Evraziatskii Entomologicheskii Zhurnal* **5**(1): 62 (*Orthocladius* (*Orthocladius*)). Type-locality: **ROSSIYA, PRIMORSKII KRAI, Khasanskii r-n, zapovednik «Kedrovaya pad'», r. Kedrovaya** [= RUSSIA, PRIMORSKY KRAI, Khasansky District, «Kedrovaya Pad'» Nature Reserve, River Kedrovaya]. — Distr.: **PA**: Russia (Far East).

subletti SOPONIS, 1977: *Memoirs of the Entomological Society of Canada* **102**: 95 (*Orthocladius* (*Orthocladius*)). Type-locality: [U.S.A.] "Deer Creek at Carendon Hot Springs, NW of Hailey, Blaine Co., Ida." [Ida. = Idaho]. — Distr.: **NE**: U.S.A. (California, Colorado, Idaho, Montana, South Carolina, Utah).

tamanitidus SASA, 1981: *Research Report from the National Institute for Environmental Studies* **29**: 80 (*Orthocladius* (*Orthocladius*)). Type-locality: {Japan, Tama River} "Station No. 2, a most unpolluted part of the Minamiasakawa River". — Distr.: **PA**: Japan.

tamaputridus SASA, 1981: *Research Report from the National Institute for Environmental Studies* **29**: 82 (*Orthocladius* (*Orthocladius*)). Type-localities: {Japan, Minamiasakawa River, a tributary of the Tama River} "Station No. 3, . . . No. 4, . . . No. 5". — Distr.: **PA**: Japan.

tamarutilus SASA, 1981: *Research Report from the National Institute for Environmental Studies* **29**: 85 (*Orthocladius* (*Orthocladius*)). Type-localities: {Japan, Minamiasakawa River, a tributary of the Tama River} "Station Nos. 3, 4, and 5 of Minamiasakawa". — Distr.: **PA**: Japan.

toyamakeleus SASA, 1996: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996** (**March**): 33 (*Orthocladius* (*Orthocladius*)). Type-locality: [Introduction, p. 16] "Japan . . . in the zoological garden called Toyama City Family Park on the foot of Kureha Hill"; [p. 17] "at the side of the ground pool "A." " [= Lake A, p. 16]. — Distr.: **PA**: Japan.

tusimopequeus SASA & SUZUKI, 1999: *Tropical Medicine* **41**(2): 92 (*Orthocladius*

(*Orthocladius*)). Type-locality: [Introduction, p. 75] "Tsushima Island . . . western Japan]. — Distr.: **PA**: Japan.

ulaanbaatus SASA & SUZUKI, 1997: *Japanese Journal of Tropical Medicine and Hygiene* **25**(4): 176 (*Orthocladius* (*Orthocladius*)). Type-locality: {Mongolia} "Ulaanbaatur" [= Ulaanbaatar]. — Distr.: **PA**: Mongolia.

uraanbaatur: incorrect original spelling.

uniradialis BHATTACHARYAY, ALI & CHAUDHURI, 1991: *Beiträge zur Entomologie* **41**(2): 342 (*Orthocladius* (*Orthocladius*)). Type-locality: "India, West Bengal, Darjeeling". — Distr.: **OR**: India (West Bengal).

wetterensis BRUNDIN, 1956: *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 105 (*Orthocladius* (*Orthocladius*)). Type-locality: "Südschweden am Ufer des Vättern bei Gränna" [= southern Sweden on the shore of Vättern at Gränna]. — Distr.: **PA**: Armenia, Austria, Czech Republic, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Luxembourg, Slovakia, Sweden, Switzerland.

rachelae ROSSARO & PRATO, 1991: *Fragmenta Entomologica* **23**(1): 62 (*Orthocladius* (*Orthocladius*)). Type-locality: [Italy] "Passo dell'Abetone".

wiensi SÆTHER, 1969: *Bulletin of the Fisheries Research Board of Canada* **170**: 73 (*Orthocladius*). Type-locality: [Canada] "tributary to south arm of Seine River, northeast of Marchand, Man." [Man. = Manitoba]. — Distr.: **NE**: Canada (Manitoba), U.S.A. (Minnesota, South Dakota,).

yugashimaensis SASA, 1979: *Research Report from the National Institute for Environmental Studies* **7**: 23 (*Orthocladius* (*Orthocladius*)). Type-locality: {Japan} "from riverbeds of the Kanogawa River, Shizuoka Prefecture". — Distr.: **PA**: Japan, Russia (Far East), South Korea.

sp.: ANDERSEN, CONTRERAS-RAMOS & SPIES, 2000: *Biodiversidad, taxonomía y biogeografía de artrópodos de México: hacia una síntesis de su conocimiento* **2**: 591 (*Orthocladius* (*Orthocladius*)). Locality: {Mexico} "MEX" [= Mexico State]. — Distr.: **NE**: Mexico (Mexico State).

Nomina dubia probably in ORTHOCLADIUS (ORTHOCLADIUS)

aurantiacus (KIEFFER, 1922): *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **2**: 16 (*Dactylocladius*). Type-locality: [Russia] {Nouvelle-Zemble} "Baie Straumsnes, Mashigin Fjord". [**Note**]

dispar GOETGHEBUER, 1942: *Bulletin du Musée Royal d'Histoire Naturelle de Belgique* **18**(46): 14 (*Orthocladius*). Type-locality: [Austria, Lunz] "Forellenteich" [= trout pond]. [**Note**]

italicus MARCUZZI, 1949: *Hydrobiologia* **1**(2): 191 (*Orthocladius*). Type-localities: {Italy} "Padova, Montà"; "and from Abano along the road Monteortone-Montirone)".

luteus GOETGHEBUER, 1934: *Bulletin et Annales de la Société Entomologique de Belgique* **74**(10): 340 (*Orthocladius*). Type-locality: [Germany] "Larves trouvées à 1000 m. d'altitude environ (G.-P.)" [= Larvae found at an altitude of about 1000 metres (Garmisch-Partenkirchen)]. [**Note**]

mixtus (HOLMGREN, 1869): *Kungliga Svenska VetenskapsAkademiens Handlingar* **8**(5): 45 (*Chironomus*). Type-locality: [Norway] "Hab. in Beeren Eiland" [= Dwells in Bear lsland]. [**Note**]

rhyacophilus KIEFFER, 1911: *Bulletin de la Société Entomologique de France* **1911**: 182 (*Orthocladius*). Type-locality: [Introduction] "Allemagne" [= Germany] ‖►Type-locality: [Germany, Westphalia] "Ennepe unterhalb der Sperre" [= Ennepe below the dam] in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 75◄‖ [Lectotype designation in Langton & Cranston, 1991: *Systematic Entomology* **16**(2): 248, [Germany] "Eurepe"] [error, Eurepe = Ennepe]. [**Note**]

Subgenus **POGONOCLADIUS** BRUNDIN

POGONOCLADIUS BRUNDIN, 1956: *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 99. Type-species: *Chironomus consobrinus* Holmgren, 1869, by original designation.

consobrinus (HOLMGREN, 1869): *Kungliga Svenska VetenskapsAkademiens Handlingar*

8(5): 44 (*Chironomus*). Type-localities: [Norway] "Hab. in Spetsbergia ad Whales Point in Storfjorden" [= Dwells in Spitzbergen at Whales Point in Storfjorden]; "Ad ripas fluviorum et ad litora lacuum in Beeren Eiland" [= At river banks and at the littoral of lakes in Bear lsland] [Lectotype designation in Pinder & Cranston, 1976: *Entomologica Scandinavica* **7**(1): 19, "Beeren Eiland"] [= Bear lsland]. — Distr.: **NE**: Canada (Northwest Territories, Ontario), Greenland; **PA**: Austria, Bear lsland, Bulgaria, China (Qinghai), Denmark, Estonia, Faroe Islands, Finland, France, Germany, Great Britain, Iceland, Ireland, Italy, Kaliningrad, Mongolia, Netherlands, Norway, Novaya Zemlya, Poland, Romania, Russia (CET, NET, East Siberia, Far East, West Siberia), Spitzbergen, Sweden, Switzerland.

marginatus LUNDSTRÖM, 1915: *Résultats scientifiques de l'Expédition Polaire Russe en 1900-1903, sons la direction du Baron E. Toll. Section E*: *Zoologie* 2(8). *Zapiski Imperatorskoi Akademii Nauk, Série* 8, *Classe physico-mathématique* **29**(8): 10 (*Orthocladius*). Type-locality: [Russia, East Siberia] "Ins. Neu-Sibirien, Südküste, Holzgebirge" [= New Siberian Islands, south coast, Holz Mountains].

crassicornis GOETGHEBUER, 1937: *Archiv für Hydrobiologie* **31**: 508 (*Orthocladius*). Type-locality: "Lac de Ploen (Allemagne)" [= lake of Plön (Germany)].

versidentatus (CHERNOVSKII, 1949): *Opredeliteli po Faune SSSR, izdavaemye Zoologicheskim Institutom AN SSSR* **31**: 135 (as "*Cricotopus*?"). Type-localities: [Russia, Karelia] [p. 168] **Tyamb-ozero** [= Tyamb Lake]; **Onezhskoe ozero** [= Onezhsk Lake].

Nomina dubia probably in ORTHOCLADIUS (POGONOCLADIUS)

griseipennis (KIEFFER, 1923): *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **9**: 6 (*Dactylocladius*). Type-locality: [Russia] {Nouvelle-Zemble} "Gribovii Fjord". [**Note**]

Subgenus **SYMPOSIOCLADIUS** CRANSTON

SYMPOSIOCLADIUS CRANSTON, 1982: *Entomologica Scandinavica* **13**(4): 419 (as genus). Type-species: *Orthocladius lignicola* Kieffer, 1914, by original designation.

annectens SÆTHER, 1969: *Bulletin of the Fisheries Research Board of Canada* **170**: 61 (*Orthocladius* (*Orthocladius*)). Type-locality: [Canada] "Rushing River, Duck Mountains, Man." [Man. = Manitoba]. — Distr.: **NE**: Canada (British Columbia, $Northwest Territories, Ontario), U.S.A. (Florida, Georgia, Minnesota, Mississippi, New Jersey, New York, North Carolina Pennsylvania, South Carolina).

bilyji SÆTHER, 2004: *Aquatic Insects* **25**(4): 312 (*Orthocladius* (*Symposiocladius*)). Type-locality: "CANADA: Ontario, Oakville, Fourteen Mile Creek, S. of Upper Middle Rd.". — Distr.: **NE**: Canada (Ontario).

futianensis KONG, LIU & WANG, 2012: *Acta Zootaxonomica Sinica* **37**(1): 182 (*Orthocladius* (*Symposiocladius*)). Type-locality: "China, Yunnan Province, Eryuan County, Niujie Town, Futian Village". — Distr.: **OR**: China (Yunnan).

halvorseni SÆTHER, 2004: *Aquatic Insects* **25**(4): 309 (*Orthocladius* (*Symposiocladius*)). Type-locality: "NORWAY: Hordaland, Vaksdal, Ekse". — Distr.: **PA**: Norway.

holsatus GOETGHEBUER, 1937: *Archiv für Hydrobiologie* **31**: 509 (*Orthocladius*). Type-locality: "Lac de Ploen (Allemagne)" [= lake of Plön (Germany)]. — Distr.: **NE**: Canada (Alberta, Manitoba, Northwest Territories), U.S.A. (Minnesota); **PA**: Finland, France, Germany, Great Britain, Ireland, Mongolia, Netherlands, Norway, Russia (NET), Slovakia, Sweden, Switzerland; **OR**: China (Fujian).

lignicola KIEFFER in POTTHAST, 1914: *Archiv für Hydrobiologie Supplement* **2**(2) [Preprint]: 273 (*Orthocladius*). Type-locality: [Germany] [p. 274] "Hasper-Sperre" [= Hasper Dam]; [p. 274] "Aus faulem Holz, . . . in einer kaltem Quelle an der Haspersperre" [= From rotten wood, . . . in a cold spring on the Hasper Dam] [Lectotype designated in Cranston, 1982: *Entomologica Scandinavica* **13**(4): 421, [Germany] "Haspersperre faulen Holz"] [= Hasper Dam rotten wood]. — Distr.: **NE**: Canada (British Columbia, Manitoba, Ontario, Québec,

Saskatchewan, Yukon Territory), U.S.A. (Alabama, Alaska, California, Florida, Georgia, Maryland, Minnesota, New Hampshire, New York, North Carolina, Ohio, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Virginia, Wisconsin); **PA**: Austria, Bulgaria, Corsica, Denmark, Estonia, Finland, France, Germany, Great Britain, Ireland, Italy, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (East Siberia, Far East, West Siberia), Sardinia, Slovakia, Spain, Sweden, Sweden, Switzerland; **OR**: China (Zhejiang). [**Note**]

lignicola KIEFFER in POTTHAST, 1915: *Archiv für Hydrobiologie Supplement* **2**(2): 273 (*Orthocladius*). Type-locality: [Germany] [p. 274] "Hasper-Sperre" [= Hasper Dam]; [p. 274] "Aus faulem Holz, . . . in einer kaltem Quelle an der Haspersperre" [= From rotten wood, . . . in a cold spring on the Hasper Dam] [Lectotype designated in Cranston, 1982: *Entomologica Scandinavica* **13**(4): 421, [Germany] "Haspersperre faulen Holz"] [= Hasper Dam rotten wood].

tryoni SOPONIS, 1977: *Memoirs of the Entomological Society of Canada* **102**: 100 (*Orthocladius* (*Orthocladius*)). Type-locality: [U.S.A.] "Hovland, Cook Co., Minn." [Minn. = Minnesota].

acutilabis (KONSTANTINOV, 1948): *Doklady Akademii Nauk SSSR* **63**(3): 335 (as "Orthocladiinae g?"). Locality: [Russia, Far East] [Title, p. 333] **BASSEINA R. AMUR** [= basin of the Amur River]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

xylophila (BOTNARIUC & CURE, 1956): *Analele Institutului de Cercetari Piscicole al Romaniei* **17**: 266 (as "Orthocladiinae gen? l."). Locality: {Romîne} "Sebeşului, lînga localitatea Tău" [= Sebeş, near city of Tău"] [Romîne = Romania]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN 1999, 4th Edition). **Nomen nudum**.

lunzensis DETTINGER-KLEMM, 2001: *Aquatic Insects* **23**(1): 58 (*Orthocladius*

(*Symposiocladius*)). Type-locality: [Austria] "Lunzer Mittersee (Lower Austria)" [= 'Middle Lake' at Lunz (Lower Austria)]. — Distr.: **PA**: Austria.

ruffoi ROSSARO & PRATO, 1991: *Fragmenta Entomologica* **23**(1): 60 (*Orthocladius* (*Orthocladius*)). Type-locality: [Italy] "Tasso stream (P. N. Abruzzi)". — Distr.: **PA**: Austria, Belgium, Corsica, Finland, France, Germany, Great Britain, Ireland, Italy, Morocco, Netherlands, Portugal, Slovakia, Spain,. Switzerland.

schnelli SÆTHER, 2004: *Aquatic Insects* **25**(4): 303 (*Orthocladius* (*Symposiocladius*)). Type-locality: "NORWAY: Hordaland, Bergen, Lake Frotveitvatn". Senior primary homonym of *Orthocladius* (*Eudactylocladius*) *schnelli* Sæther, 2004 - the latter is now a synonym of *Orthocladius* (*Eudactylocladius*) *almskari* Sæther, 2004. — Distr.: **NE**: Canada (Ontario); **PA**: Finland, Norway, Russia (CET, Far East); **OR**: China (Fujian).

smolandicus BRUNDIN, 1947: *Arkiv för Zoologi* **39A**: 22 (*Orthocladius*). Type-localities: {Sweden} "Sm. See Innaren . . . auf Björkholmen und am Ufer bei Kråkenäs" [Sm. = Småland Lake Innaren . . . at Björkholmen and on the shore at Kråkenäs]. — Distr.: **NE**: Canada (Saskatchewan); **PA**: Finland, **?**France, Sweden, **?**Switzerland. [**Note**]

"cf. *lignicola*": (ROBACK & COFFMAN, 1987): *Proceedings of the Academy of Natural Sciences of Philadelphia* **139**(1): 126 (*Symposiocladius*). Locality: {Nepal} "NP38" [= "Mountain stream, tributary of Bhurungai Khola, Ghorepani . . . alt. 2520 m."]. — Distr.: **OR**: Nepal.

Subgenerically unplaced valid species of ORTHOCLADIUS

alpinus (KIEFFER 1913): *Résultats Scientifiques Voyage de Ch. Alluaud et R. Jeannel en Afrique Orientale (1911-1912) (Diptères)* **1**: 29 (*Psectrocladius*). Type-locality: [Kenya] "Afrique Orientale Anglaise : prairies alpines du Kénya . . . entre 3.300 et 3.700 m. . . . st. n° 43" [= British East Africa : alpine meadows of Kenya . . . between 3,300 and 3,700 metres . . . st. n° 43]. — Distr.: **AF**: Kenya.

bergensis FREEMAN, 1953: *Proceedings of the Royal Entomological Society* (B) **22**(7/8):

135 (*Orthocladius*). Type-locality: [South Africa] "Berg River, Wellington". — Distr.: **AF**: South Africa.

breviseta KIEFFER, 1923: *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **9**: 7 (*Orthocladius*). Type-locality: [Russia] {Nouvelle-Zemble} "Ile Litchutin" [= Litchutin Island] [Nouvelle-Zemble = Novaya Zemlya]. — Distr.: **PA**: Novaya Zemlya. Senior primary homonym of *Orthocladius breviseta* Sæther, 1969 – the latter is a junior synonym of *Othocladius* (*Orthocladius*) *rubicundus* (Meigen, 1818).

harrisoni FREEMAN, 1961: *Mémoires de l'Institut Scientifique de Madagascar* (Série E) **12**: 242 (*Orthocladius*). Type-locality: [South Africa] "Transvaal : Olifantsvlei nr. Johannesburg". — Distr.: **AF**: **?**Ethiopia, Madagascar, South Africa.

kinangopi KIEFFER, 1913: *Résultats Scientifiques Voyage de Ch. Alluaud et R. Jeannel en Afrique Orientale (1911-1912) (Diptères)* **1**: 31 (*Dactylocladius*; as "*Kinangopi*"). Type-locality: [Kenya] "Afrique Orientale Anglaise : chaîne de l'Aberdare : prairies de la zone inférieure du mont Kinangop, versant ouest, altitude de 2.600 à 2.700 m., entre la maison forestière du Kinangop et Kijabé, . . . st. n° 57" [= British East Africa : Aberdare chain : the lower meadows of Mount Kinangop, western slope, altitude of 2,600 to 2,700 metres, between the forest house of Kinangop and Kijabé, . . . st. n° 57. — Distr.: **AF**: Kenya.

kuroijeus SASA, 1996: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996** (**December**): 24 (*Orthocladius*). Type-locality: [Japan] "at the side of Kuroyon Dam". — Distr.: **PA**: Japan.

lacustris (KIEFFER, 1913): *Résultats Scientifiques Voyage de Ch. Alluaud et R. Jeannel en Afrique Orientale (1911-1912) (Diptères)* **1**: 30 (*Dactylocladius*). Type-locality: [Kenya] "Afrique Orientale Anglaise : fond du Rift Valley, à Naivasha, station de l'Uganda railway, sur les bords du lac de Naivasha, altitude de 1.900 m., st. n° 14" [= British East Africa : bottom of the Rift Valley, at Naivasha, station of the Uganda railway, on the shores of Lake Naivasha, altitude of 1,900 metres, st. n° 14]. — Distr.: **AF**: Kenya.

megalochirus (KIEFFER, 1911): *Transactions of the Linnean Society of London (2nd Series, Zoology)* **14**: 363 (*Dactylocladius*). Type-locality: "Seychellen. Mahé: scrubby forest vegetation, top of Mount Sebert, 1800 feet or more". — Distr.: **AF**: Seychelles.

nilicola (KIEFFER, 1923): *Annales de la Société Entomologique de France* **92**: 182 (*Dacrylocladius*). Type-locality: "Soudan : Shambe" [Soudan = Sudan]. — Distr.: **AF**: Sudan.

pretorianus (KIEFFER, 1918): *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 80 (*Camptocladius*). Type-locality: [South Africa] "Transvaal : Pretoria". — Distr.: **AF**: South Africa.

sanctibenedicti (KIEFFER, 1913): *Résultats Scientifiques Voyage de Ch. Alluaud et R. Jeannel en Afrique Orientale (1911-1912) (Diptères)* **1**: 30 (*Dactylocladius*; as "*sancti-Benedicti*"). Type-locality: [Kenya] "Afrique Orientale Anglaise : forêt de Nairobi, près de la plantation St-Benoît, district de Kyambu, altitude de 1.700 m., . . . st. n° 11" [= British East Africa : forest of Nairobi, near the plantation of St Benedict, district of Kyambu, altitude of 1,700 metres, . . . st. n° 11]. — Distr.: **AF**: Kenya.

seonwui REE & JEONG, 2010: *Korean Journal of Systematic Zoology* **26**(2): 134 (*Orthocladius*). Type-locality: [South Korea] "Sinsau-dong, Chuncheon-si, Gangwon-do". — Distr.: **PA**: South Korea. [**Note**]

stagnicola GOETGHEBUER, 1948: *Bulletin et Annales de la Société Entomologique de Belgique* **84**(1/2): 37 (*Orthocladius*). Type-locality: {Belgique} "Près d'un étang à Knocke-s/Mer (Etang de la Victoire, à Albert-Plage)" [= Near a pond at Knocke-sur-Mer (Victoire pond, at Albert beach)] [Belgique = Belgium]. — Distr.: **PA**: Belgium.

stuckenbergi FREEMAN, 1961: *Mémoires de l'Institut Scientifique de Madagascar* (Série E) **12**: 243 (*Orthocladius*). Type-locality: "Madagascar Centre : Moramanga, Route d'Anosibe, 840 m".. — Distr.: **AF**: Madagascar.

tusimokeleus (SASA & SUZUKI, 1999): *Tropical Medicine* **41**(2): 88 (*Eukiefferiella*). Type-

locality: [Introduction, p. 75] "Tsushima Island . . . western Japan]; [p. 88] "Azugawa". — Distr.: **PA**: Japan.

Genus **PARACHAETOCLADIUS** WÜLKER

PARACHAETOCLADIUS WÜLKER, 1959: *Archiv für Hydrobiologie Supplement* **25**(1): 44 (as subgenus of *Chaetocladius* Kieffer, 1911). Type-species: *Chaetocladius* (*Parachaetocladius*) *abnobaeus* Wülker, 1959, by monotypy.

HABROBAENUS SÆTHER, 1977: *Journal of the Fisheries Research Board of Canada* **34**(12): 2354. Type-species: *Habrobaenus hudsoni* Sæther, 1977 [= *Chaetocladius* (*Parachaetocladius*) *abnobaeus* Wülker, 1959], by original designation. Synonymized with *Parachaetocladius* Wülker, 1959, by Sæther & Sublette (1983: *Entomologica Scandinavica Supplement* **20**: 35).

abnobaeus (WÜLKER, 1959): *Archiv für Hydrobiologie Supplement* **25**(1): 44 (*Chaetocladius* (*Parachaetocladius*)). Type-localities: [Germany] "Oberstes Quellgebiet des Seebächles am Feldberg, 1300 bis 1450 m in Rheokrenen" [= Uppermost spring region of the Seebächles at Feldberg, 1300 to 1450 metres in rheocrens]; "im Quellgebiet des Feldbergsüdhanges (Gustbach)" [= in the spring region of the Feldberg southern slopes (Gustbach)]; "im Quellgebiet der Breg bei Furtwangen (1100 m)" [= in the spring region of Breg near Furtwangen (1100 metres)]; "im Sauerland . . . Quellbach 2b des Aabaches" [= in Sauerland . . . spring region 2b of the Aabaches]; "in der Rhön (Wasserkuppe". — Distr.: **NE**: Canada (Manitoba, Nova Scotia, Ontario), U.S.A. (Alabama, Florida, Georgia, Kansas, North Carolina, Ohio, Pennsylvania, South Carolina, Tennessee); **PA**: Austria, Azores, Denmark, Finland, France, Germany, Italy.

abnobeus: incorrect subsequent spelling.

hudsoni (SÆTHER, 1977): *Journal of the Fisheries Research Board of Canada* **34**(12): 2355 (*Habrobaenus*). Type-locality: [U.S.A.] "Chatooga River, Walhalla National Fish Hatchery, Oconee Co., S.C." [S.C. = South Carolina].

akanoctavus SASA & KAMIMURA, 1987: *Research Report from the National Institute for*

Environmental Studies **104**: 35 (*Parachaetocladius*). Type-locality: {Akan National Park, Hokkaido, Japan} "shore of Lake Kussharo". — Distr.: **PA**: Japan, Russia (Far East).

hirtipectus SÆTHER, 1969: *Bulletin of the Fisheries Research Board of Canada* **170**: 100 (*Parachaetocladius*). Type-locality: [Canada] "Alloette River, at old crossing ¼ mile south of Marion Lake, University of British Columbia Forestry Farm, Haney, B.C." [B.C. = British Columbia]. — Distr.: **NE**: Canada (British Columbia).

imberbus SÆTHER & SUBLETTE, 1983: *Entomologica Scandinavica Supplement* **20**: 44 (*Parachaetocladius*). Type-locality: "U.S.A. . . . Eureka, Humboldt Co., Ca." [Ca. = California]. — Distr.: **NE**: Canada (British Columbia), U.S.A. (California).

kamiovatus (SASA & HIRABAYASHI, 1993): *Japanese Journal of Sanitary Zoology* **44**(4): 374 (*Limnophyes*). Type-locality: {Nagano, Japan} [p. 362] "Kamikochi"; [p. 374] "on the shore of Azusa River at Nishiitoya". — Distr.: **PA**: Japan.

kuramasingularis (SASA, 1989): *Research Report Toyama Prefectural Environmental Pollution Research Center* **1989**: 53 (*Limnophyes*). Type-locality: [Japan] [p. 47] "Kurama River, Kyoto". — Distr.: **PA**: Japan.

sunabaabeus (TANAKA & SASA, 2001): *Tropical Medicine* **43**(1/2): 43 (*Psectrocladius* (*Monopsectrocladius*)). Type-locality: [Introduction, p. 39] "Japan . . . Kurobe River"; [Title, p. 39] "Sunaba". — Distr.: **PA**: Japan.

sp. A: SÆTHER & SUBLETTE, 1983: *Entomologica Scandinavica Supplement* **20**: 46 (*Parachaetocladius*). Locality: [Canada] "small stream, Mt. St. Hilaire, Que." [Que. = Québec]. — Distr.: **NE**: Canada (Québec).

sp. B: SÆTHER & SUBLETTE, 1983: *Entomologica Scandinavica Supplement* **20**: 46 (*Parachaetocladius*). Locality: [U.S.A.] "Howard Creek, Occonee Co., S.C." [S.C. = South Carolina] — Distr.: **NE**: U.S.A. (South Carolina).

Genus **PARACLADIUS** HIRVENOJA

PARACLADIUS HIRVENOJA, 1973: *Annales Zoologici Fennici* **10**: 90 (as new name for *Paratrichocladius* Thienemann, 1942 nec *Paratrichocladius* Santos-Abreu, 1918). Type-species: *Chironomus inserpens* Walker, 1856 [= *Chironomus conversus* Walker, 1856], by original designation.

PARATRICHOCLADIUS THIENEMANN, 1942: *Archiv für Hydrobiologie* **39**(2): 314. Type-species: *Chironomus inserpens* Walker, 1856 [= *Chironomus conversus* Walker, 1856], by original designation. Synonymized with *Paracladius* Hirvenoja, 1973, by Hirvenoja (1973: *Annales Zoologici Fennici* **10**: 90). **Preoccupied**. Junior homonym of *Paratrichocladius* Santos-Abreu, 1918 – the latter is a valid genus in the subfamily Orthocladiinae (see below).

akansextus SASA & KAMIMURA, 1987: *Research Report from the National Institute for Environmental Studies* **104**: 31 (*Paracladius*). Type-locality: {Akan National Park, Hokkaido, Japan} "shore of Lake Kussharo". — Distr.: **PA**: China (Hebei, Xinjiang), Japan.

alpicola (ZETTERSTEDT, 1850): *Diptera Scandinaviæ disposita et discripta* **9**: 3500 (*Chironomus*; as "*Alpicola*"). Type-locality: [Sweden] "in Jemtlandia boreali . . . ad radicem alpis Åreskutan . . . ad regionem nivalem in cacumine alpis ejusdem (circit. 3500 ped. supra mare elevato)" [= in northern Jämtland . . . at the foot of Åreskutan Mountain . . . in the snow region of its mountain summit (about 3500 feet above sea-level)] [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 101, "Åreskutan, Jemtland, Schweden"] [= Åreskutan, Jämtland, Sweden]. — Distr.: **NE**: Canada (Newfoundland and Labrador, Northwest Territories); **PA**: Austria, China (Liaoning), Estonia, Faroe Islands, Finland, France, Germany, Greece, Italy, Lebanon, Mongolia, Norway, Poland, Romania, Russia (CET), Slovakia, Spain, Sweden, Switzerland; **OR**: China (Sichuan).

ciliatimanus (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 83 (*Trichocladius*). Type-localities: [Switzerland] "capturés sur le

lac de Constance, au-dessus d'une profondeur de 240 mètres" [= collected on Lake Constance, over a depth of 240 metres]; [Austria] "Basse-Autriche" [= Lower Austria].

antennarius YAN & WANG, 2005: *Acta Zoologica Sinica*, *Supplement* **51**: 127 (*Paracladius*). Type-locality: "China: Sichuan Province: Litang County: Sangdui, Haizi Mountain". — Distr.: **OR**: China (Sichuan).

conversus (WALKER, 1856): *Insecta Britannica Diptera* **3**: 175 (*Chironomus*). Type-locality: [Great Britain] "(E.)" [= England]. — Distr.: **NE**: Canada (Northwest Territories), Greenland, U.S.A. (Alaska, Arizona, New Mexico); **PA**: Austria, Belgium, China (Xinjiang), Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Lebanon, Lithuania, Luxembourg, Macedonia, Mongolia, Netherlands, Norway, Poland, Romania, Russia (CET, NET, East Siberia, Far East, West Siberia), Slovakia, Spain, Sweden, Switzerland, Syria, Turkey, Ukraine.

inserpens (WALKER, 1856): *Insecta Britannica Diptera* **3**: 185 (*Chironomus*). Type-locality: [Great Britain] "(E.)" [= England].

obtexens (WALKER, 1856): *Insecta Britannica Diptera* **3**: 188 (*Chironomus*). Type-locality: [Great Britain] "(E.)" [= England].

denotatus (WALKER, 1856): *Insecta Britannica Diptera* **3**: 190 (*Chironomus*). Type-locality: [Great Britain] "(E.)" [= England].

brunnipes (GOETGHEBUER, 1921): *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 99 (*Trichocladius*). Type-localities: {Belgique} [p. 190] "Destelbergen (B. B.)" [B. B. = Basse Belgique]; "Genva1 (M. B.)" [M. B. = Moyenne Belgique]; "Virton (H. B.)" [H. B. = Haute Belgique] [Belgique = Belgium]. [**Note**]

horni (GOETGHEBUER, 1939): *Bulletin et Annales de la Société Entomologique de Belgique* **79**(10/11): 386 (*Trichocladius*; as "*Horni*"). Type-locality: "Allemagne: Munich" [Allemagne = Germany].

omolonus MAKARCHENKO & MAKARCHENKO, 2006: *Russian Entomological Journal*

15(1): 88 (*Paracladius*). Type-locality: {Russia, Far East} **Magadanskaya obl., r. Omolon (pravyi pritok r. Kolyma), okolo 30 km nizhe ust′ya r. Kedon** [= Magadanskaya Oblast, River Omolon (right tributary of the River Kolyma), about 30 km from the lower mouth of the River Kedon]. — Distr.: **PA**: Russia (Far East).

ovatus FU, WANG & ANDERSEN, 2010: *Zootaxa* **2453**: 65 (*Paracladius*). Type-locality: "CHINA: Yunnan Province, Zhongdian County, 27°49'N, 99°42'E, 3.284 m a.s.l.". — Distr.: **OR**: China (Yunnan Province).

quadrinodosus HIRVENOJA, 1973: *Annales Zoologici Fennici* **10**: 98 (*Paracladius*). Type-locality: "Torneträsk (Strand), Schweden" [Schweden = Sweden]. — Distr.: **NE**: Canada (Northwest Territories), Greenland, U.S.A. (Alaska); **PA**: China (Xinjiang), Finland, France, Russia (NET, East Siberia), Sweden, Ukraine.

seutakanus MAKARCHENKO & MAKARCHENKO, 2006: *Russian Entomological Journal* **15**(1): 90 (*Paracladius*). Type-locality: {Russia, Far East} **Chukotskii poluostrov, zal. Kresta, oz. Seutakan** [= Chukotskii Peninsula, Kresta Bay, Lake Seutakan]. — Distr.: **PA**: Russia (Far East).

tusimoabeus (SASA & SUZUKI, 1999): *Tropical Medicine* **41**(2): 78 (*Cricotopus*). Type-locality: [Introduction, p. 75] "Tsushima Island . . . western Japan]. — Distr.: **PA**: Japan.

sp.: TRIVINHO-STRIXINO, 2011: *Larvas de Chironomidae Guia de Identificação*: 279 (*Paracladius*). Locality: "Brazil". — Distr.: **NT**: Brazil.

Genus **PARACRICOTOPUS** BRUNDIN

PARACRICOTOPUS BRUNDIN, 1956: *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 119. Type-species: *Cricotopus niger* Kieffer, 1913, by original designation.

PARACRICOTOPUS THIENEMANN & HARNISCH, 1932: *Zoologischer Anzeiger* **99**(5/6): 136. Type-species: Not given. Name not made available - not accompanied by the fixation of a type-species contrary to Article 13.3 of the Zoological Code (ICZN, 1999,

4th Edition). **Nomen nudum**.

glaber SÆTHER, 1980: *Aquatic Insects* **2**(3): 138 (*Paracricotopus*). Type-locality: [U.S.A.] "seepage area, granite outcrop, Jocassee Overlook, Hwy 413, Oconee Co., South Carolina". — Distr.: **NE**: U.S.A. (Alabama, Georgia, North Carolina, South Carolina).

insulatus (BHATTACHARYAY & CHAUDHURI, 1988): *Burdwan University Science Journal,* **4–5**: 60 (*Nanocladius* (*Nanocladius*); as "*Insulatus*"). Type-locality: "India, West Bengal, Darjeeling". — Distr.: **OR**: India (West Bengal). **Comb. nov.** [**Note**]

irregularis NIITSUMA, 1990: *Japanese Journal of Entomology* **58**(1): 101 (*Paracricotopus*). Type-locality: {Japan} "Yanbara, Shimizu, Shizuoka Prefecture". — Distr.: **PA**: Japan.

millrockensis CALDWELL, 1985: *Brimleyana* **11**: 161 (*Paracricotopus*). Type-locality: {United States} "Millrock Branch at Haralson Mill Road (83°57′24″ N, 30°45′41″ W), Rockdale County, Georgia". — Distr.: **NE**: U.S.A. (Georgia, North Carolina, Ohio, South Carolina).

missilus CHAUDHURI & SOM, 1999: *Russian Entomological Journal* **7**(1/2): 52 (*Paracricotopus*). Type-locality: {India, West Bengal} "Darjeeling (27°03'N, 88°18'E, Alt. 2073 m a.s.l.). — Distr.: **OR**: India (West Bengal). [**Note**]

mozleyi STEINER, 1983: *Memoirs of the American Entomological Society* **34**: 329 (*Paracricotopus*). Type-locality: {U.S.A.} "Vertical rock seep 4.2 km northeast of Stonepile Gap crossroads on north side of State Route 60, Lumpkin County, Georgia. Elevation: 781 m.". — Distr.: **NE**: U.S.A. (Georgia).

niger (KIEFFER, 1913): *Bulletin de la Société d'Histoire Naturelle de Metz* **28**: 32 (*Cricotopus*; as "*niger* var. *muscicola*" Kieffer, 1913). Type-locality: [Title, p. 7] "Allemagne" [= Germany] ‖►Type-locality: [Germany, Westphalia] "in Moosen der Ruhr oberhalb Nuttlar" [= in mosses of the Ruhr above Nuttlar] in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 77◄‖. Senior primary homonym of *Cricotopus*

niger Kieffer, 1921 (below). — Distr.: **PA**: A1geria, Austria, Belgium, Corsica, Estonia, Finland, France, Germany, Great Britain, Hungary, Italy, Lebanon, Luxembourg, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET), Slovakia, Spain, Sweden, Switzerland, Turkey. [**Note**]

niger (THIENEMANN, 1912): *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 77 (*Cricotopus*; as "*niger* Kieff."). Type-locality: [Germany] "in Moosen der Ruhr oberhalb Nuttlar" [= in mosses of the Ruhr above Nuttlar]. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

muscicola (KIEFFER, 1913): *Bulletin de la Société d'Histoire Naturelle de Metz* **28**: 32 (*Cricotopus*; as var. of *niger* Kieffer, 1913). Type-locality: {Allemagne} [= Germany] "Larve dans des touffes de mousse d'une tourbière en Westphalie" [= Larva in clumps of moss of a bog in Westphalia] ‖►Type-locality: [Germany]. "in Moosen am Wehr der Pleistermühle bei Münster i. W." [= in mosses at the Pleistermühle weir at Münster in Westphalia] in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 77◄‖.

muscicola (THIENEMANN, 1912): *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 77 (*Cricotopus*; as "*niger* var. *muscicola* K."). Type-locality: [Germany] "in Moosen am Wehr der Pleistermühle bei Münster i. W." [= in mosses at the Pleistermühle weir at Münster in Westphalia]. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

niger (KIEFFER, 1921): *Archiv für Hydrobiologie Supplement* **2**(4): 801 (*Cricotopus*). Type-locality: [Germany] "Sauerland, Larven in Moos der Ruhr" [= Sauerland, larvae in moss of the Ruhr]. **Preoccupied**. Junior primary homonym of *Cricotopus niger* Kieffer, 1913 (above).

microcerus (KIEFFER, 1923): *Annales de la Société Scientifique de Bruxelles, 2e partie (Mémoires)* **42**: 154 (*Trichocladius*; as "*mocrocerus*"). Type-locality: [Germany] "Westphalie : larves dans *Fontinalis* de la Diemel" [= Westphalia : larvae in *Fontinalis* in the Diemel].

mocrocerus: incorrect original spelling.

bastini (GOETGHEBUER, 1932): *Bulletin et Annales de la Société Entomologique de Belgique* **71**(11): 215 (*Trichocladius*). Type-locality: "Belgique: Virton" [Belgique = Belgium]. [**Note**]

? *thienemanni* BERCZIK, 1959: *Annales Universitatis Scientiarum Budapestinensis de Rolando Eötvös Nominatae, Sectio Biologica* **2**: 45 (*Paracricotopus*; as "*Thienemanni*"). Type-locality: [Slovakia] {Tschechoslowakei} Szklenófürdő (Sklenne Teplice), aus einem Bach [= Szklenófürdő (Sklenne Teplice), from a stream]. **Questionable synonym**.

oyabeangulatus (SASA, KAWAI & UENO, 1988): *Research Report Toyama Prefectural Environmental Pollution Research Center* **1988**: 46 (*Paratrichocladius*). Type-locality: [Summary, p. 27] "Oyabe River Basin, western Toyama Prefecture . . . Japan"; [p. 46] "Station T-6". — Distr.: **PA**: Japan..

spinicornis HAZRA & CHAUDHURI in HAZRA, SAHA & CHAUDHURI 2002: *Hydrobiologia* **474**: 41 (*Paracricotopus*). Type-locality: {India}"Sikkim, Tadong". — Distr.: **OR**: India (Sikkim, West Bengal).

tamabrevis (SASA, 1983): *Research Report from the National Institute for Environmental Studies* **43**: 74 (*Rheocricotopus*). Type-locality: [Japan] {Tama River} "Station A, Yuba". — Distr.: **PA**: Japan, Russia (Far East).

togakuroasi (SASA & OKAZAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 105 (*Rheocricotopus* (*Paracricotopus*)). Type-locality: [Japan] [Introduction, p. 92] "Toga-mura . . . in the southern mountainous part of Toyama Prefecture"; [p. 105] "at Momose". — Distr.: **PA**: Japan.

uliginosus (BRUNDIN, 1947): *Arkiv för Zoologi* **39A**: 18 (*Rheocricotopus*). Type-locality:

{Sweden} "Sm. Gem. Gårdsby . . . am Lagg-Gürtel des Hochmoores Vinninge" [= Småland, Gårdsby Municipality . . . on the lagg-belt of the Vinninge high moor]. — Distr.: **PA**: Finland, France, Kaliningrad, Romania, Sweden.

sp.: ASHE, MURRAY & REISS, 1987: *Annales de Limnologie* **23**(1): 53 (*Paracricotopus*). Locality: "a stream in northern Sulawesi, Indonesia". — Distr.: **OR**: Indonesia (Sulawesi).

sp.: ROBACK & COFFMAN, 1987: *Proceedings of the Academy of Natural Sciences of Philadelphia* **139**(1): 116 (*Paracricotopus*). Localities: {Nepal} "NP7" [= "Bhurungai Khola, Birethanti . . . alt. 1530 m."]; "NP8" [= "Bhurungai Khola, waterfall above Tirkedhunze . . . alt. 1530 m."]; "NP14" [= "Tributary of the Kali Gandaki, below waterfall, Chhara . . . alt. 1548 m."]. — Distr.: **OR**: Nepal.

sp.: COFFMAN, YURASITS & DE LA ROSA, 1988: *Spixiana Supplement* **14**: 85 (*Paracricotopus*). Locality: "South India". — Distr.: **OR**: India (Kerala or Tamil Nadu).

Genus **PARADOXOCLADIUS** HARRISON

PARADOXOCLADIUS HARRISON, 2000: *Aquatic Insects* **22**(3): 220. Type-species: *Paradoxocladius mangoldi* Harrison, 2000, by original designation.

mangoldi HARRISON, 2000: *Aquatic Insects* **22**(3): 221 (*Paradoxocladius*). Type-locality: [South Africa] "Klein Mooi River 29° 13'S, 29° 53'E, Kwazulu-Natal". - Distr:. **AF**: South Africa.

Genus **PARAKIEFFERIELLA** THIENEMANN

PARAKIEFFERIELLA THIENEMANN, 1936: *Archiv für Hydrobiologie* **30**(2): 195. Type-species: *Spaniotoma* (*Eukiefferiella*) *coronata* Edwards, 1929, by original designation.

PARAKIEFFERIELLA THIENEMANN, 1936: *Stettiner Entomologische Zeitung* **97**(1): 43 (footnote). Type-species: *Spaniotoma* (*Eukiefferiella*) *coronata* Edwards, 1929, by original designation. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen**

nudum. [**Note**]

EUSMITTIA FREEMAN, 1962: *Pacific Insects* **4**(1): 129. Type-species: *Eusmittia cavernae* Freeman, 1962, by original designation. Synonymized with *Parakiefferiella* Thienemann, 1936, by Ferrington & Sæther (2011: *Zootaxa* **2849**: 8).

MARICLADIUS SUBLETTE, 1970: *Journal of the Kansas Entomological Society* **43**(1): 84. Type-species: *Camptocladius subaterrimus* Malloch, 1915, by original designation. Synonymized with *Parakiefferiella* Thienemann, 1936, by Cranston & Oliver (1988: *Canadian Entomologist* **120**(5): 443).

bathophila (KIEFFER, 1912): *Bulletin de la Société Entomologique de France* **1912**: 88 (*Dactylocladius*). Type-locality: [Germany] "Westphalie". — Distr.: **NE**: Canada (Manitoba, Northwest Territories), U.S.A. (Ohio); **PA**: Austria, Belgium, Bulgaria, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Japan, Kaliningrad, Lithuania, Mongolia, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET, East Siberia, Far East, West Siberia), Slovakia, South Korea, Spain, Sweden, Switzerland, Tunisia.

cheethami (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 359 (*Spaniotoma* (*Smittia*)). Type-locality: [Great Britain] "Lake Windermere". [**Note**]

cheethamii: incorrect subsequent spelling.

itachiquarta SASA & KAWAI, 1987: *Bulletin of the Toyama Science Museum* **10**: 49 (*Parakiefferiella*). Type-locality: {Japan, Stream Itachigawa, Toyama} [p. 26] "Stream Itachigawa (Stations No.1~No.10)"; [p. 49] "at Station No.10 . . . on the bank near the mouth of the stream".

kisofulvus (SASA & KONDO, 1993): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1993**: 99 (*Epoicocladius*). Type-locality: [Japan] [p. 98] "AT BISAI ON THE SIDE OF KISO RIVER".

biloba (FREEMAN, 1953): *Proceedings of the Royal Entomological Society* (B) **22**(11/12): 205 (*Eukiefferiella* (? *Parakiefferiella*)). Type-locality: [South Africa] "Berg River, French Hoek Forest Reserve". — Distr.: **AF**: South Africa, Zimbabwe.

bilobata TUISKUNEN, 1986: *Annales Zoologici Fennici* **23**(2): 179 (*Parakiefferiella*). Type-locality: "Finland, Ok, Vaala, Säräisniemi (714:49)". — Distr.: **PA**: Finland, Norway, Russia (Far East).

cavernae (FREEMAN, 1962): *Pacific Insects* **4**(1): 130 (*Eusmittia*). Type-locality: [Malaysia] "Malaya, Batu Caves, Cavern C". — Distr.: **OR**: Malaysia. [**Note**]

chuzeundecima (SASA, 1984): *Research Report from the National Institute for Environmental Studies* **70**: 89 (*Epoicocladius*). Type-locality: [Japan] {Nikko National Park} "littoral zone of Lake Chuzenji". — Distr.: **PA**: Japan.

claviculata (EDWARDS, 1931): *Diptera of Patagonia and South Chile* **2**(5): 291 (*Spaniotoma* (*Eukiefferiella*)). Type-locality: [Argentina] "L. Nahuel Huapi, eastern end". — Distr.: **NT**: Argentina, Chile. [**Note**]

lagorum WIEDENBRUG & ANDERSEN, 2002: *Studies on Neotropical Fauna and Environment* **37**(2): 120 (*Parakiefferiella*). Type-locality: "CHILE, Region Metropolitana, Cajon del Maipo, Baños Morales, 33°49.406'S, 70°03.373'W, 1825 m a.s.l.".

coronata (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 354 (*Spaniotoma* (*Eukiefferiella*)). Type-localities: [Great Britain] "Corrour, Inverness"; "Llyn Gwynant, Carnarvon". — Distr.: **NE**: Canada (British Columbia), U.S.A. (Florida, Georgia, North Carolina, South Carolina); **PA**: Austria, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Kaliningrad, Latvia, Lithuania, Morocco, Norway, Poland, Russia (CET, NET, Far East), Slovakia, Spain, Sweden, Turkey.

subrecta (GOETGHEBUER in GOETGHEBUER & LENZ, 1943): *Die Fliegen der Palaearktischen Region* **13g**: 112 (*Smittia* (*Orthosmittia*)). Type-locality: [Austria] "Aus Niederdonau . . . Germania mer." [= From the lower Danube . . . southern Germany].

crassispina MAZUMDAR, HAZRA & CHAUDHURI, 1997: *Journal of the Bengal Natural History Society* (New Series) **16**(1): 36 (*Parakiefferiella*). Type-locality: { India } "West Bengal, Sagar Island, near sand-dune ponds". — Distr.: **OR**: India

(West Bengal).

dentifera WÜLKER, 1957: *Beiträge zur Entomologie* **7**(3/4): 418 (*Parakiefferiella*). Type-locality: [Austria] "Lunzer Untersee" [= 'Lower Lake' at Lunz]. — Distr.: **PA**: Austria, Germany, Greece, Switzerland.

ephippium (FREEMAN, 1956): *Bulletin of the British Museum (Natural History)* Entomology **4**(7): 342 (*Nanocladius*). Type-locality: [South Africa] "NATAL: Mooi River, nr. Rosetta". — Distr.: **AF**: Benin, South Africa.

fennica TUISKUNEN, 1986: *Annales Zoologici Fennici* **23**(2): 181 (*Parakiefferiella*). Type-locality: "Finland, Li, Inari, Pasaslompolo (761:50)". — Distr.: **NE**: U.S.A. (Ohio); **PA**: Finland, France, Germany, Great Britain, Norway, Portugal, Spain, Sweden.

finnmarkica TUISKUNEN, 1986: *Annales Zoologici Fennici* **23**(2): 183 (*Parakiefferiella*). Type-locality: "Norway, Finnmark, Karasjok, Jerggul, at the river Jergguljokka". — Distr.: **PA**: Finland, Norway.

furudoctava SASA & ARAKAWA, 1994: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1994**: 98 (*Parakiefferiella*). Type-locality: [Japan] [Introduction, p. 88] "Furudo . . . a man-made lake constructed in a hilly area of Ikeda, southern part of Toyama-shi". — Distr.: **PA**: Japan.

furudoundecima (SASA & ARAKAWA, 1994): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1994**: 100 (*Pseudorthocladius*). Type-locality: [Japan] [Introduction, p. 88] "Furudo . . . a man-made lake constructed in a hilly area of Ikeda, southern part of Toyama-shi". — Distr.: **PA**: Japan.

gracillima (KIEFFER, 1922): *Mémoires de la Société de Vulgarisation des Sciences Naturelles des Deux-Sèvres* **4**: 27 (*Camptocladius*). Type-locality: [Title, p. 26] "Européens" [= European, i.e. Europe] ‖►Type-locality: [Germany] "Ile de Rügen" [= island of Rügen] in Kieffer, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 74-75◄‖. Senior primary homonym and senior synonym of *Camptocladius gracillima* Kieffer, 1924 (below). — Distr.: **NE**:

U.S.A. (Alaska); **PA**: Algeria, Austria, Denmark, France, Germany, Italy, Luxembourg, Mongolia, Poland, Russia (CET), Switzerland. [**Note**]

gracillima (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 74 (*Camptocladius*). Type-locality: [Germany] "Ile de Rügen" [= island of Rügen]. **Preoccupied**. Junior primary homonym and junior synonym of *Camptocladius gracillima* Kieffer, 1922 (above).

gynocera (EDWARDS, 1937): *Annals and Magazine of Natural History* (10) **20**: 145 (*Smittia* (*Epoicocladius*)). Type-locality: {Swedish Lappland} "shore of Lake Torneträsk". — Distr.: **PA**: Finland, Norway, Sweden.

harrisoni (FREEMAN, 1956): *Bulletin of the British Museum (Natural History)* Entomology **4**(7): 355 (*Smittia*). Type-locality: [South Africa] "TRANSVAAL: Mica-Gravellotte Road". — Distr.: **AF**: South Africa, Sudan.

hernandezi WIEDENBRUG & ANDERSEN, 2002: *Studies on Neotropical Fauna and Environment* **37**(2): 124 (*Parakiefferiella*). Type-locality: "CHILE, Region XI, Puerto Aisén, Lago Riesco, outlet, 45°30.015'S, 72°40.587'W, 52 m a.s.l.". — Distr.: **NT**: Chile.

minax FERRINGTON & SÆTHER, 1995: *Chironomids: from genes to ecosystems*: 370 (*Parakiefferiella*). Type-locality: "Tanzania, Tanga region, West Usumbara Mts., Mazumbai, Kaputu Stream". — Distr.: **AF**: Tanzania.

minuta TUISKUNEN, 1986: *Annales Zoologici Fennici* **23**(2): 185 (*Parakiefferiella*). Type-locality: "Finland, Ka, Vehkalahti, Paijärvi, Suuri Karjalansuo (672:51)". — Distr.: **PA**: Finland, Norway.

mujuensis REE, NAM & JEONG, 2012: *Animal Systematics, Evolution and Diversity* **28**(1): 4 (*Parakiefferiella*). Type-locality: [South Korea] "Korea: Jeollabuk-do, Muju-gun, Muju-eup, Dangsan-ri". — Distr.: **PA**: South Korea.

nigra BRUNDIN, 1949: *Reports from the Institute of Freshwater Research, Drottningholm* **30**: 827 (*Parakiefferiella*). Type-locality: [Sweden] "Jämtland . . . aus dem See Leipikvattnet" [= Jämtland . . . from Lake Leipikvattnet]. — Distr.: **NE**: Canada (Northwest Territories), U.S.A. (Alaska); **PA**: Austria, Finland, Germany,

Norway, Russia (East Siberia), Sweden.

normandiana MOUBAYED-BREIL & LANGTON, 2008: *Ephemera* **9**(1): 9 (*Parakiefferiella*). Type-locality: "Arn stream, a tributary of the river Tarn, Haut-Languedoc, Southern France, subregion 9a". — Distr.: **PA**: France, Germany, Great Britain, Spain.

osaruflava SASA, 1988: *Research Report from the National Institute for Environmental Studies* **121**: 44 (*Parakiefferiella*). Type-locality: {Hokkaido, Japan} "at the side of a small mountain stream Osaru River". — Distr.: **PA**: Japan.

osarufusca SASA, 1988: *Research Report from the National Institute for Environmental Studies* **121**: 46 (*Parakiefferiella*). Type-locality: {Hokkaido, Japan} "at the side of Osaru River". — Distr.: **PA**: Japan.

pyrenaica MOUBAYED, 1991: *Nouvelle Revue d'Entomologie (N. S.)* **8**(1): 71 (*Parakiefferiella*). Type-locality: [France] "Saison river, upper stream of the affluent Holadoco at 1300 m (Western Pyrenees)". — Distr.: **PA**: France, Slovakia, Spain.

rara MAKARCHENKO & MAKARCHENKO, 2007: *Evraziatskii Entomologicheskii Zhurnal* **6**(3): 302 (*Parakiefferiella*). Type-locality: { Russia, Far East} **Okhotskoe poberezh′e Magadanskoi obl., Tauiskaya guba, r. Taui** [= Okhotsk seacoast of Magadan Oblast, Tauiskaya Bay, River Taui]. — Distr.: **PA**: Russia (Far East).

scandica BRUNDIN, 1956: *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 154 (*Parakiefferiella* (*Parakiefferiella*)). Type-locality: "Norwegen, Jotunheimen: . . . im Hochgebirgsfluss Leirungsaae bei Gjendesheim, 1120 m" [= Norway, Jotunheimen: . . . in the high mountain river Leirungsaae at Gjendesheim, 1120 metres]. — Distr.: **PA**: Finland, France, Germany, Ireland, Norway, Russia (East Siberia, Far East), Slovakia, Sweden.

smolandica (BRUNDIN, 1947): *Arkiv för Zoologi* **39A**: 39 (*Pseudosmittia*). Type-localities: {Sweden} "Sm. See Innaren . . . auf Björkholmen" [= Småland, Lake Innaren . . . at Björkholmen]; "See Stråken . . . auf St. Furön" [= Lake Stråken . . . at St.

Furön]. — Distr.: **NE**: U.S.A. (Ohio); **PA**: Czech Republic, Finland, France, Germany, Great Britain, Ireland, Netherlands, Norway, Russia (NET, Far East), Slovakia, Sweden.

strixinorum WIEDENBRUG & ANDERSEN, 2002: *Studies on Neotropical Fauna and Environment* **37**(2): 126 (*Parakiefferiella*). Type-locality: "BRAZIL, Rio Grande do Sul, Taquara, Arroio do Mineiro". — Distr.: **NT**: Brazil.

subaterrima (MALLOCH, 1915): *Bulletin of the Illinois State Laboratory of Natural History* **10**: 512 (*Camptocladius*). Type-locality: [U.S.A.] "Grand Tower, Ill., . . . on bank of Mississippi River" [Ill. = Illinois]. — Distr.: **NE**: Canada (Manitoba, Northwest Territories, Ontario, Québec, Saskatchewan), U.S.A. (Arizona, California, Illinois); **PA**: Finland.

torulata SÆTHER, 1969: *Bulletin of the Fisheries Research Board of Canada* **170**: 138 (*Parakiefferiella*). Type-locality: [Canada] "ditch, Whiteshell Park, Man." [Man. = Manitoba].

tamatriangulata SASA, 1981: *Research Report from the National Institute for Environmental Studies* **29**: 94 (*Parakiefferiella*). Type-locality: {Japan, Tama River, Minamiasakawa River} "at No. 3" [= at Station No. 3]. — Distr.: **PA**: Japan.

tenuilobata CASPERS & REISS, 1989: *Entomofauna* **10**(8): 118 (*Parakiefferiella*). Type-locality: "Aras-Tal W Karakurt, 1300 m über NN (Provinz Kars, Osttürkei)" [= Aras Valley west of Karakurt, 1300 metres above sea-level (Province of Kars, eastern Turkey)]. — Distr.: **PA**: Germany, Turkey.

tipuliformis (TOKUNAGA, 1940): *Philippine Journal of Science* **72**(3): 288 (*Spaniotoma* (*Smittia*)). Type-locality: [Taiwan] "Arisan, Formosa". — Distr.: **OR**: Taiwan.

togabicea (SASA & OKAZAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 148 (*Epoicocladius*). Type-locality: {Japan} [Introduction, p. 92] "Toga-mura . . . in the southern mountainous part of Toyama Prefecture"; [p. 149] "at Toganosato". — Distr.: **PA**: Japan.

togaminea SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 151 (*Parakiefferiella*). Type-locality: {Japan} [Introduction, p. 92] "Toga-mura . . . in the southern mountainous part of Toyama Prefecture"; [p. 151] "Toga River". — Distr.: **PA**: Japan.

togamonea SASA & OKAZAWA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 120 (*Parakiefferiella*). Locality: {Japan} [Abstract, p. 105] "Toga-mura, a village situated in the mountainous region of Toyama Prefecture". Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

triquetra (PANKRATOVA, 1970): *Opredeliteli po Faune SSSR, izdavaemye Zoologicheskim Institutom AN SSSR* **102**: 206 (*Paratrichocladius*; validation of *triquetra* Chernovskii, 1949). Type-localities: [Russia, Central European Territory] **SSSR: Karelia, Leningradskaya oblast′** [= USSR: Karelia, Leningrad Oblast]; **Latviya** [= Latvia]; [Russia, Southern European Territory] **r. Oki, . . . Krasnodarskogo krai** [= River Oki, . . . Krasnodar Krai]. — Distr.: **PA**: Austria, Estonia, Germany, Italy, Latvia, Mongolia, Norway, Romania, Russia (CET, NET, SET, East Siberia, Far East). [**Note**]

triquetra (CHERNOVSKII, 1949): *Opredeliteli po Faune SSSR, izdavaemye Zoologicheskim Institutom AN SSSR* **31**: 130 (as "Orthocladiinae gen.? l."). Locality: Not given. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN 1999, 4th Edition). **Nomen nudum**.

tusimowexea SASA & SUZUKI, 1999: *Tropical Medicine* **41**(2): 98 (*Parakiefferiella*). Type-locality: [Introduction, p. 75] "Tsushima Island . . . western Japan]. — Distr.: **PA**: Japan.

viktana MAKARCHENKO & MAKARCHENKO, 2010: *Evraziatskii Entomologicheskii Zhurnal* **9**(3): 406 (*Parakiefferiella*). Type-locality: {Russia, Far East}

Kamchatskii kr., r. Bystraya v r-ne pos. Ésso (bass. r. Kamchatka) [= Kamchatka Krai, River Bystraya in the vicinity of the town of Ésso (basin of the River Kamchatka)]. — Distr.: **PA**: Russia (Far East).

vshivkovae MAKARCHENKO & MAKARCHENKO in MAKARCHENKO, ZORINA, MAKARCHENKO & SERGEEVA, 2002: *Chteniya Pamyati Vladimira Yakovlevicha Levanidova* **1**: 158 (*Parakiefferiella*). Type-locality: [Russia] {Far East} **oz. Khanka, ust′e r. Komissarovka** [= Lake Khanka, mouth of the River Komissarovka]. — Distr.: **PA**: Russia (Far East). [**Note**]

wardorum WIEDENBRUG & ANDERSEN, 2002: *Studies on Neotropical Fauna and Environment* **37**(2): 129 (*Parakiefferiella*). Type-locality: "CHILE, Region XI, Puerto Aisén, El Salto, 8 km E of Puerto Chacabuco". — Distr.: **NT**: Chile.

wuelkeri MOUBAYED, 1994: *British Journal of Entomology and Natural History* **7**(1): 7 (*Parakiefferiella*). Type-locality: "rhithral of Oued Boubchir, affluent of River Sebaou, Algeria". — Distr.: **PA**: Algeria, Austria, France, Germany, Great Britain, Morocco, Slovakia, Spain, Tunisia.

yakykelea SASA & SUZUKI, 2000: *Tropical Medicine* **42**(2): 90 (*Parakiefferiella*). Type-locality: {Yakushima Island, Southwestern Japan} "Nagata". — Distr.: **PA**: Japan.

sp.: COFFMAN, YURASITS & DE LA ROSA, 1988: *Spixiana Supplement* **14**: 85 (*Parakiefferiella*). Locality: "South India". — Distr.: **OR**: India (Kerala or Tamil Nadu).

sp.: CRANSTON & MARTIN, 1989: *Catalog of the Diptera of the Australasian and Oceanic Regions*: 261 (*Parakiefferiella*). Localities: "Australia (ACT, SA, Vic)" [ACT = Australian Capital Territory, SA = South Australia, Vic = Victoria]. — Distr.: **AU**: Australia (Australian Capital Territory, South Australia, Victoria).

sp.: ASHE, 1990: *Insects and the rain forests of South East Asia (Wallacea)*: 267 (*Parakiefferiella*). Locality: {Indonesia} "Sulawesi". — Distr.: **OR**: Indonesia (Sulawesi).

sp.: OSPINA-TORRES, RISS & RUIZ, 1999: *Insectos de Colombia* II: 376, 380

(*Parakiefferiella*). Locality: {Colombia} "Sabana de Bogotá". — Distr.: **NT**: Colombia.

sp.: WOLFF, BRASHER & RICHARDS, 2002: *Bishop Museum Occasional Papers* **69**: 32 (*Parakiefferiella*). Locality: {Hawaiian Islands} "O'AHU: Waiahole Str, 210 ft [64 m]". — Distr.: **OC**: Hawaiian Islands.

Nomina dubia in PARAKIEFFERIELLA

alpicola (GOETGHEBUER, 1938): *Bulletin et Annales de la Société Entomologique de Belgique* **78**(11): 460 (*Eukiefferiella*). Type-locality: "Allemagne : régions alpines" [= Germany : alpine regions].

Unavailable names in PARAKIEFFERIELLA

togaquesea SASA & OKAZAWA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 120 (*Parakiefferiella*). Locality: {Japan} [Abstract, p. 105] "Toga-mura, a village situated in the mountainous region of Toyama Prefecture". Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

Genus **PARALIMNOPHYES** BRUNDIN

PARALIMNOPHYES BRUNDIN, 1956: *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 129. Type-species: *Camptocladius hydrophilus* Goetghebuer, 1921 [= *Camptocladius longiseta* Thienemann, 1919], by original designation.

albibasis (FREEMAN, 1961): *Australian Journal of Zoology* **9**(4): 656 (*Limnophyes*). Type-locality: {Australia} "National Park, N.S.W." [N.S.W. = New South Wales]. — Distr.: **AU**: Australia (Australian Capital Territory, New South Wales, Tasmania).

jii WANG & SÆTHER, 2002: *Aquatic Insects* **24**(4): 326 (*Paralimnophyes*). Type-locality:

"CHINA: Hubei Province, Wufeng County, Houhe". — Distr.: **OR**: China (Hubei).

longiseta (THIENEMANN, 1919): *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst (Zoologische Sektion)* **47**: 30 (*Camptocladius*). Type-localities: [Germany] "in den Gievenbecker Gräben bei Münster" [= in the Gievenbeck ditches at Münster]; "bei Greifswald . . . („Goplanatümpel" [= at Greifswald . . . („Goplana ponds]; "Holstein"; "Dänemark" [= Denmark]. — Distr.: **PA**: Austria, Belgium, Denmark, Finland, France, Germany, Great Britain, Hungary, Iceland, Ireland, Lithuania, Netherlands, Poland, Russia (CET, Far East), Sweden, Turkey. Senior primary homonym and senior synonym of *Camptocladius longiseta* Kieffer, 1922 (below). [**Note**]

hydrophilus (GOETGHEBUER, 1921): *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 169 (*Camptocladius*). Type-locality: {Belgique} "à Destelbergen" [Belgique = Belgium].

longiseta (KIEFFER, 1922): *Mémoires de la Société de Vulgarisation des Sciences Naturelles des Deux-Sèvres* **4**: 32, 35 (*Camptocladius*). Type-locality: [Title, p. 26] "Européens" [= European, i.e. Europe] ‖►Type-locality: [Germany] "Westphalie, . . . vivant dans une fossé près de Munster" [= Westphalia, . . . living in a ditch near Münster] in Kieffer, 1923: *Annales de la Société Scientifique de Bruxelles, 2e partie (Mémoires)* **42**: 152◄‖. **Preoccupied**. Junior primary homonym and junior synonym of *Camptocladius longiseta* Thienemann, 1919 (above).

longiseta (KIEFFER, 1923): *Annales de la Société Scientifique de Bruxelles, 2e partie (Mémoires)* **42**: 152 (*Camptocladius*). Type-locality: [Germany] "Westphalie, . . . vivant dans une fossé près de Munster" [= Westphalia, . . . living in a ditch near Münster]. **Preoccupied**. Junior primary homonym and junior synonym of *Camptocladius longiseta* Thienemann, 1919 and *Camptocladius longiseta* Kieffer, 1922 (above).

pullulus (SKUSE, 1889): *Proceedings of the Linnaean Society of New South Wales* (2) **4**: 259

(*Orthocladius*). Type-locality: {Australia} "Sydney". — Distr.: **AU**: Australia (New South Wales, Victoria, Western Australia).

trilineatus (LUNDSTRÖM, 1915): *Résultats scientifiques de l'Expédition Polaire Russe en 1900-1903, sons la direction du Baron E. Toll. Section E*: *Zoologie* 2(8). *Zapiski Imperatorskoi Akademii Nauk, Série* 8, *Classe physico-mathématique* **29**(8): 15 (*Camptocladius*). Type-locality: [Russia, East Siberia] "Ins. Neu-Sibirien, Südufer, Holzgebirge" [= New Siberian Islands, south coast, Holz Mountains]; "am Oberlaufe des Fl. Bolschaja" [= in the upper course of the River Bolschaja] [Lectotype designation in Sæther, 2004: *Zootaxa* **595**: 18, "RUSSIA: New Siberian Islands, south coast, "Holzgebirge"]. — Distr.: **NE**: Canada (Northwest Territories), U.S.A. (Alaska); **PA**: Norway, Russia (East Siberia), Sweden.

arcticus BRUNDIN, 1956: *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 130 (*Paralimnophyes*). Type-locality: "Schwedisch-Lappland, Torneträskgebiet: . . . perennierenden Tümpel am Gipfel des Norddalsfjället, 1050 m, bei Riksgränsen" [= Swedish Lapland, Torneträsk region: . . . perennial pond at the summit of Norddalsfjället, 1050 metres, near Riksgränsen].

sp.: ANDERSEN, CONTRERAS-RAMOS & SPIES, 2000: *Biodiversidad, taxonomía y biogeografía de artrópodos de México: hacia una síntesis de su conocimiento* **2**: 591 (*Paralimnophyes*). Locality: {Mexico} "PUE" [= Puebla). — Distr.: **NE**: Mexico (Puebla).

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